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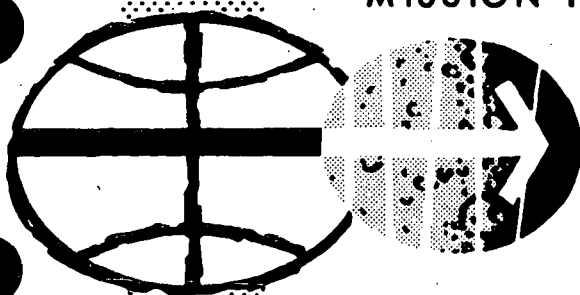CASE FILE COPY
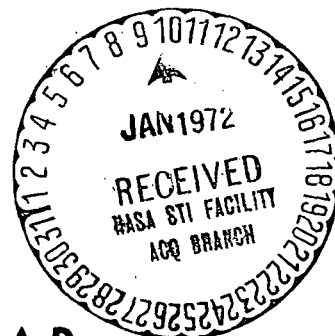
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DETAILED SKYLAB ECS CONSUMABLES ANALYSIS FOR THE INTERIM REVISION FLIGHT PLAN (NOVEMBER , 1972, SL-1 LAUNCH)

Guidance and Performance Branch

MISSION PLANNING AND ANALYSIS DIVISION

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

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SKYLAB PROGRAM

DETAILED SKYLAB ECS CONSUMABLES ANALYSIS FOR THE INTERIM
REVISION FLIGHT PLAN (NOVEMBER, 1972, SL-1 LAUNCH)

By Cynthia Wells and Harry E. Kolkhorst
Guidance and Performance Branch

June 1, 1971

MISSION PLANNING AND ANALYSIS DIVISION

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MANNED SPACECRAFT CENTER

HOUSTON, TEXAS

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FOREWORD

The ECS consumables tables and charts presented in this internal
note show preliminary mission requirements for the Skylab baseline refer-
ence missions. The analyses were performed using the preliminary flight
plans. Precise ECS consumables profiles based on detailed flight plans
and procedures will be published later as they become available.

Any operational procedures described in this study are not intended
to define mission rules or crew procedures, but are merely an attempt to
estimate the ECS consumables requirements.

Programing support was provided by Miguel Zamora, Betty Nolley,
Gil Jaffe, and Donna Burgess under TRW task AA29.

Additional support was obtained from the Flight Crew Support Division,
the Mission Planning and Analysis Division, the Flight Control Division,
the Biomedical Laboratories Division, the Marshall Space Flight Center,
the Martin Marietta Corporation, and the McDonnell Douglas Aircraft Corpora-
tion.

Comments regarding the contents of this document should be directed
to the Consumables Analysis Section, Manned Spacecraft Center, Houston,
Texas (HU3-4581).

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DETAILED SKYLAB ECS CONSUMABLES ANALYSIS FOR

THE INTERIM REVISION FLIGHT PLAN

By Cynthia Wells and Harry E. Kolkhorst

1.0 SUMMARY

The environmental control system (ECS) consumables analysis has been performed for the Skylab 2, 3, and 4 Preliminary Reference Interim Revision Flight Plan (ref. 1). The analysis and the results are based on the mission requirements as specified in the Flight Plan and on data available from references 2 through 7. The results indicate that the consumables requirements for the Skylab missions allow for remaining margins as follows:

Mission	Remaining margin (percent)		
	Oxygen	Nitrogen	Water nominal
SL-2	83.5	90.8	88.7
SL-3	57.1	64.1	67.3
SL-4	30.8	44.3	46.5

Performance of experiment M509 as scheduled in the Flight Plan results in venting overboard the cluster atmosphere. This is due to the addition of nitrogen for propulsion and to the additional oxygen introduced into the cabin when the experiment is performed with the crewman suited.

The assumptions used in the analysis are presented in sections 4.0 and 5.0. Some data used are considered to be preliminary; consequently, updating will be necessary. Changes to the Flight Plan or operational procedures will also require updating. Dispersions and contingency requirements will be incorporated when identified.

2.0 INTRODUCTION

The Skylab ECS provides the unmanned workshop with a controlled environment that maintains temperature-critical equipment within operating and storage limits, and provides a controlled life supporting environment for the manned orbital assembly (OA). Six subsystems operate in conjunction with each other to provide the major functions required of the ECS. The ECS consists of the pressurization and gas distribution subsystem, the atmospheric control subsystem (ACS), the thermal control subsystem (TCS), the refrigeration subsystem, the extravehicular/intravehicular activity (EVA/IVA) support subsystem, and the water management subsystem (WMS).

The pressurization and gas distribution subsystem provides six high-pressure oxygen tanks and six high-pressure nitrogen tanks to store and distribute the oxygen and nitrogen used during the missions. These tanks provide in-orbit pressurization, prelaunch purging and pressurization, and makeup for venting. The tanks also satisfy the requirements for EVA/IVA, for experiments, and for maintaining the pressure in the orbital assembly module (OAM) for all missions.

Control and purification of the OAM atmosphere is maintained by the ACS, which provides atmosphere circulation for temperature and humidity control by removing moisture, carbon dioxide, and other contaminants and by transferring heat from the atmosphere to the TCS coolant loops.

The WMS provides ten water tanks to satisfy the Saturn workshop (SWS) habitability requirements for storage and distribution of water for drinking, food preparation, personal hygiene, waste management, and general housekeeping purposes.

The requirements of ECS consumables as based on the Skylab 2, 3, and 4 Preliminary Reference Interim Revision Flight Plan (ref. 1) are discussed in sections 4.0 and 5.0. This analysis affects some modifications to the consumables model, which were made to give a more realistic simulation of the pressurization and gas distribution system operation. These changes to the program were made after the publication of the analysis in reference 36.

3.0 SYMBOLS

ACS	atmospheric control subsystem
AM	airlock module
AMS	articulated mirror system
AMRV	astronaut maneuvering research vehicle
Beta angle	angle between earth-to-sun vector and the orbital plane
BPMS	blood pressure measuring system
CM	command module
CSM	command and service module
ECS	environmental control system
EIE	experiment integration engineer
EOP	experiments operations panel
EPS	electrical power system
EREP	earth resources experiments package
ESS	experiment support section
FCD	Flight Control Division
FCSD	Flight Crew Support Division
FCMU	foot-controlled maneuvering unit
FMSC	film magazine stowage container
FO	functional objective
g.e.t.	ground elapsed time
GSE	ground support equipment
HHMU	hand-held maneuvering unit

HSS	habitability support system
HX	heat exchanger
IVA	intravehicular activity
lbm	pound mass
LBNP	lower body negative pressure
LBNPD	lower body negative pressure device
LCG	liquid-cooled garment
LSU	life support umbilical
MA	metabolic analyzer
MDA	multiple docking adapter
MPAD	Mission Planning and Analysis Division
MCC	Mission Control Center
MSC	Manned Spacecraft Center
MSFC	Marshall Space Flight Center
OA	orbital assembly
OAM	orbital assembly module
OWS	orbital workshop
PCU	pressure control unit
PI	principal investigator
PPM	parts per million
PRT	Preliminary Reference Trajectory
PSS	propellant supply subsystem
SA	spectrograph assembly
SAL	scientific airlock
SCC	standard cubic centimeters
SCF	standard cubic feet

SEENA   spacecraft electrical energy network analysis

SL   Skylab

SOP   secondary oxygen packages

SWS   Saturn workshop

STS   structural transition section

TBD   to be determined

TCS   thermal control subsystem

UV   ultraviolet

WMC   waste management compartment

WMS   water management subsystem

WPS   water pressurization system

4.0 ASSUMPTIONS

1. The launch times used for this flight plan analysis are as follows:

SL-1	November 9, 1972	14:30 G.m.t.
SL-2	November 10, 1972	14:00 G.m.t.
SL-3	January 22, 1973	8:31 G.m.t.
SL-4	May 4, 1973	15:14 G.m.t.

2. The orbital workshop (OWS) and the multiple docking adapter/airlock module (MDA/AM) are pressurized on the ground with nitrogen and bled in orbit to the calculated equivalence of 1.3 psia at 70°F.

3. Leakage rates (lb/day) at 5 psia are as follows:

	Oxygen	Nitrogen	Total
CM (after OA activation)	1.84	0.56	2.4
Docking port (docked)	0.92	0.28	1.2
MDA	1.38	0.42	1.8
MDA/AM interface	0.46	0.14	0.6
Docking port (undocked)	0.15	0.05	0.2
STS and forward AM	1.38	0.42	1.8
Airlock, aft AM, and OWS interface	0.76	0.24	1.0
OWS	3.82	1.18	5.0

4. System and tank leakages are as follows:

	lb/day
Oxygen	0.028
Nitrogen	0.0114

5. Initial tank quantities are as follows:

	lb
Oxygen	5611.0
Nitrogen	1510.8
Water	6710.0

6. Compartment volumes are as follows:

	ft^3
CSM	320
MDA, STS, forward AM, and tunnel	1 530
Airlock compartment	154
Aft AM	80
OWS	9 550
Total	11 634

   7. One molecular sieve bed is operated throughout the manned portion of the mission. Operation requires 2.612 lb/day oxygen and 0.86 lb/day nitrogen, which are the maximum gas loss rates measured during development tests with a 25 percent margin applied.

   8. The molecular sieve pneumatic valve actuation requires 0.70 lb/day of high pressure nitrogen for an automatic switch of the sorbent canisters.

   9. Molecular sieve bakeout is performed approximately every 28 days of habitation.

   10. Prior to molecular sieve bakeout, two LiOH canisters must be removed from the MDA and installed in the CSM CO_2 removal system, and the CSM ECS system must be activated.

   11. Molecular sieve beds (two for each system) are baked out sequentially. Each molecular sieve bed requires 5 hours to bake out and 12 hours to cool down. Each bed is unusable for 8 hours (5 hr for bakeout and the first 3 hr of cooldown).

12. The cabin regulator valve operates within the range of 5.0 ± 0.2 psia total pressure. Oxygen partial pressure is controlled to 3.7 ± 0.2 psia.

13. The cabin regulator valve has a flow capacity of 1.1 lb/hr for either oxygen or nitrogen at 5.0 ± 0.2 psia.

14. The nominal pressurization flow rates are 22.65 lb/hr oxygen and 6.95 lb/hr nitrogen.

15. Pressurization gas requirements for the Skylab missions are as follows:

Module	SL-1/SL-2		SL-3		SL-4	
	O_2, lb	N_2, lb	O_2, lb	N_2, lb	O_2, lb	N_2, lb
MDA/AM	37.39	0.15	21.52	6.60	22.28	6.84
OWS	202.41	0.79	116.48	35.70	120.62	37.06
Total	239.80	0.94	138.00	42.30	142.90	43.90

16. The cabin pressure relief valve was assumed to crack at 5.5 psia.

17. Skylab activity metabolic rates are listed in table 5.3-I. The average rates were 426.5 Btu/hr for crewman 1, 428.8 Btu/hr for crewman 2, and 430.4 Btu/hr for crewman 3 for SL-1/2. Figures 1 through 3 present the mission matabolic rates.

18. The experiments schedule is presented in the allocation matrices of tables 5.1-I through 5.1-III.

19. Assumptions for experiments are discussed in detail in section 5.1.

20. Atmospheric requirements for experiments are as follows.

	ft^3/cycle	Total missions, ft^3
M092 Lower Body Negative Pressure	42.5	5355.0
M171 Metabolic Activity	0.64	44.16
M479 Zero Gravity Flammability	4.0	148.0
M512 Materials Processing in Space	1.8	50.0
S019 Ultraviolet Stellar Astronomy	0.48	3.34

	ft^3/cycle	Total missions, ft^3
S020 X-Ray/Ultraviolet Solar Photography	0.35	1.75
S063 Ultraviolet Airglow Horizon Photography	0.27	2.92
S073 Gegenschein/Zodiacal Light	0.74	6.65
S149 Particle Collection	0.74	2.96
S183 Ultraviolet Panorama	1.09	10.90
T025 Coronagraph Contamination Measurement	0.34	0.68
T027 Contamination Measurement (Sample Array)	0.29	0.29
T027 Contamination Measurement (Photometer)	0.74	6.65

21. Gas requirements for experiments are as follows:

	Oxygen, lb/hr	Nitrogen	
		lb/performance	lb/hr
M092 Lower Body Negative Pressure (BPMS)		.094	
M171 Metabolic Activity (BPMS)		.056	
M171 Metabolic Activity (MA)		.015	
M509 Astronaut Maneuvering Equipment (Shirtsleeve Mode)			20
M509 Astronaut Maneuvering Equipment (Suited Mode)	12.3		20
T020 Foot-Controlled Maneuvering Unit (Shirtsleeve Mode)			20
T020 Foot-Controlled Maneuvering Unit (Suited Mode)	12.3		20

22. Cabin atmosphere loss from the waste management system are as follows:

Waste processors (6) (1 dump/unit/day)	Design requirement, lb/day	Maximum allowable, lb/day
Leakage	0.27	1.28
Dump	0.06	0.25
Total	0.33	2.53

Urine dump (20-sec purge - 3/day)	Anticipated, lb/day	Maximum allowable, lb/day
Leakage	0.005	0.025
Dump	0.020	0.100
Total	0.025	0.125

The atmospheric loss for leakage was included in the 5.0 lb/day leakage rate for the OWS.

23. Water requirement rates are as follows:

Metabolic (food reconstitution and supplementary drinking), lb/man-day	5.4
Dispersion for metabolic, lb/day	2.6
Systems housekeeping, lb/day	2.0
Personal hygiene, lb/day	2.8

24. Habitability support system (HSS) water subsystem tank allocation is as follows:

Wardroom usage order	Tank 1
	Tank 10
	Tank 2
	Tank 3
	Tank 4
	Tank 9
WMC (head) usage order	Tank 6
	Tank 7
Contingency usage	Tank 5
	Tank 8

25. The nitrogen requirements for water tank pressurization is 0.00472 pound per pound of water used, or a maximum nitrogen usage of 28.3 pounds.

26. Water system bacteriological cleansing is accomplished with a portable water bottle of 27 pounds maximum capacity. The bottle is filled with high iodine content (100 ppm) water and is used during reactivation for each revisit to sterilize the dispensers and water distribution networks. The portable water bottle is refillable from the water supply and is used throughout the mission for varied housekeeping and metabolic tasks.

27. The portable water tank is assumed to be refilled every 28 days.

28. Water system blowdown is required at termination of the mission to evacute water from the lines to prevent possible freezing and bacteriological buildup. Wardroom capacity is 15.0 pounds and WMC (head) capacity is 7.5 pounds.

29. The water requirement for experiment support section (ESS) water startup was deleted.

30. An iodine check sample of 0.34-cubic inch volume is drawn from each of the ten water tanks at TBD (to be determined) day intervals during manned operation. This results in a 0.1226-pound water usage every TBD days. (A 14-day interval was used for this budget.)

31. Extravehicular activity (EVA) is scheduled for a maximum of 3 hours from egress start to ingress completion. One 3-hour EVA is planned on SL-2 day 26 for D021/D024 and ATM film removal. Three ATM EVA are scheduled on SL-3 (days 5, 29, and 55) and two on SL-4 (days 3 and 54).

32. Two crewmen will be fully suited for each EVA. The third crewman will be located forward of the airlock and will perform monitoring and systems housekeeping as required.

33. Oxygen flow during EVA activities is 9 lb/man-hr.

34. The water charging configuration of the pressure control units (PCU), liquid-cooled garments (LCG), and life support umbilicals (LSU) is as follows:

Launched charged:

    a. Two LSU in AM spheres

    b. Two PCU in the CM plus two secondary oxygen packages (SOP) in the CM

    c. All LCG (possibility of 8)

Launched uncharged:

    a. Two PCU in the OWS

    b. Six LSU in the OWS

35. The two PCU launched dry in the OWS hopefully will not be used. Maximum recharge should not exceed 50 cc of water.

36. Two LSU for each crewman will be charged before each mission evacuation with 5.8 pounds of water and then stowed in the AM spheres. The LSU used on the prior mission will be dumped overboard through the AM and then stowed in the OWS.

37. The LCG should not require more than a maximum of 50 cc of water makeup at initial use, which would be obtained from the LSU. A new LCG will probably be used prior to each EVA.

38. Based on the November 9, 1972, SWS launch date, the orbital storage periods are approximately 45 days.

5.0 ECS CONSUMABLES DISCUSSION

The ECS consumables analysis has been performed for the Skylab 2, 3, and 4 Preliminary Reference Interim Revision Flight Plan (ref. 1). The analysis was based on the mission requirements as delineated in the Flight Plan, the assumptions discussed in section 4.0, and the data available from references 2 and 7. The results of the analysis indicate that the onboard ECS consumables are adequate to supply the life support system, the experiments, and other mission activities.

The consumables budget for the various missions are presented in table 5.0-I for oxygen and nitrogen. Tables 5.0-II and 5.0-III show the water budget.

The results of this analysis incorporate the improvements made to the model that was used to compute the consumables. Such refinements include consideration of the following: water and carbon dioxide partial pressure contribution to the atmosphere total pressure; modifications to the pressure relief valve and the cabin regulator models to dynamically simulate their operation; and provisions for the analysis of each compartment separately when the hatches are closed.

As reported previously (ref. 36), no procedures are presently available for any ECS consumables provided by the CSM after CSM/MDA pressure equalization. If procedures become available by which the CSM can furnish some consumables after CSM/MDA pressure equalization, they will be included in an update to this document.

Figure 4 shows the partial pressures of oxygen and nitrogen as well as the total pressure of the OAM atmosphere. The oxygen and nitrogen percent of the total pressure is presented in figure 5. The cumulative oxygen and nitrogen as well as the total water usage are shown in figures 6 and 7. Figures 8 and 9 give the water depletion profiles of the metabolic and WMC tanks.

TABLE 5.0-I.- ECS PRT INTERIM REVISION FLIGHT PLAN

OXYGEN AND NITROGEN CONSUMABLES BUDGET

Item	SL-1/2		SL-3		SL-4	
	O_2, lb	N_2, lb	O_2, lb	N_2, lb	O_2, lb	N_2, lb
Capacity at 3000 psia and 100°F	5611.0	1510.8	--	--	--	--
Residual at 300 psia and 0°F	681.0	190.8	--	--	--	--
Usable available at normal flow rates	4930.0	1320.0	4116.2	1199.3	2813.8	846.4
Requirements						
System leakage	0.8	0.3	1.6	0.7	1.6	0.7
Metabolic	137.0	--	274.5	--	269.0	--
Cluster leakage[a]	289.0	84.8	524.1	236.2	581.1	151.4
Pressurization	239.8	0.9	138.0	42.3	142.8	43.8
Molecular sieve	69.2	22.8	143.2	47.2	142.6	47.0
Dumped by pressure relief valve	2.4	0.8	5.9	2.4	0.0	0.0
EVA	52.6	--	166.7	--	114.1	--
Experiments	21.8	7.4	47.2	17.6	45.5	12.6
Water tank pressurization	--	3.2	--	6.0	--	5.8
Total requirement	812.6	120.2	1301.2	352.4	1296.7	261.3
Available at CSM/MDA separation	4117.4	1199.8	2815.0	846.9	1517.1	585.1
System leakage during storage	1.2	0.5	1.2	0.5	--	--
Margin	4116.2	1199.3	2813.8	846.4	1517.1	585.1
Percent	83.5	90.8	57.1	64.1	30.8	44.3

[a]Includes the change in weight of oxygen or nitrogen in cluster atmosphere because of the difference in partial pressure between the start and end of the mission.

TABLE 5.0-II.- ECS PRT INTERIM REVISION FLIGHT

PLAN WATER CONSUMABLES ANALYSIS

	Water, lb		
	SL-1/2	SL-3	SL-4
Capacity	6710.0	--	--
Trapped	710.0	--	--
Usable	6000.0	5324.42	4039.57
Requirements			
Metabolic	424.57	883.40	873.95
Personal hygiene	73.68	152.67	148.94
Systems housekeeping	47.91	90.61	107.78
Water distribution system bacteriological cleansing	27.00	27.00	27.00
Portable water tank refill	27.00	54.00	54.00
Water system blowdown			
Wardroom system	15.00	15.00	15.00
Waste management system	7.50	7.50	7.50
Iodine water sampling	0.12	0.37	0.37
LSU reservicing	34.80	34.80	--
M479 requirement	--	1.50	--
CM potable bottle return	18.00	18.00	18.00
Total mission requirement	675.58	1284.85	1252.54
Margin	5324.42	4039.57	2787.03
Margin (percent)	(88.74)	(67.32)	(46.5)

TABLE 5.0-III.- WATER CONSUMABLES DISPERSIONS ANALYSIS

| | Water, lb | | |
	SL-2	SL-3	SL-4
Capacity	6710.00	--	--
Trapped	710.00	--	--
Usable	6000.00	5119.98	3409.80
Mission requirement	675.58	1284.85	1252.54
Metabolic dispersion	204.44	425.33	420.73
Mission allotment	880.02	1710.18	1673.27
Available	5119.98	3409.80	1736.53
Margin (percent)	(85.3)	(56.8)	(28.9)

5.1 Experiment Requirements

This section identifies the experiment consumables data considered in this analysis. Tables 5.1-I(a) through 5.1-I(c) (from ref. 1) present the schedule of experiments with functional objectives allocated per day for the SL-2, -3, and -4 missions. A g.e.t. time-related schedule is presented in tables 5.1-II(a) through 5.1-II(g). Experiment consumable quantities shown in these tables reflect total gas and atmospheric requirements and do not present the effects of the experiments upon tank quantities. See table 6.0-I for tank quantities remaining.

5.1.1 <u>M092 Inflight Lower Body Negative Pressure</u>.- Experiment M092 will detect and measure the zero-gravity-induced degradation in the cardiovascular function and will assess the degree of orthostatic intolerance and impairment of physical capacity during space flight. The experiment will be performed by subjecting the crewman's lower torso to a negative pressure in the lower body negative pressure device (LBNPD). The LBNPD is capable of maintaining a pressure differential between cabin ambient and the interior of the LBNPD over a range of 0 to 50 mm Hg below cabin ambient. The LBNPD has an adjustable waist seal to fit the subject properly. The average leak rate around the seal is 2.5 ft^3/min during the 15-minute test period. An additional 5 cubic feet of cabin gas is lost during the 10-minute baseline period. Therefore, for each test cycle, a total of 42.5 cubic feet of atmosphere is lost (ref. 11).

The M092 Blood Pressure Measuring System (BPMS) uses nitrogen from the water pressurization system (WPS) to meet the flow requirements at the ESS interface for use during experiment operation. The flow rate of nitrogen, cycling every 30 seconds, is from 0 to 3.76×10^{-3} lb/min. Operation time per test is 25 minutes, with 27 tests performed on SL-1/2, 51 tests on SL-3, and 51 tests on SL-4. The total nitrogen requirement is 11.94 pounds (refs. 8 through 12).

5.1.2 <u>M171 Metabolic Activity</u>.- The purpose of experiment M171 is to determine if man's metabolic effectiveness while performing calibrated mechanical work is progressively altered by exposure to the space environment. The experiment will compare the metabolic cost of operational activities when man is removed from earth gravity to the metabolic cost of the identical operational activities when man is on earth. Gaseous nitrogen is required for operation of experiment M171 BPMS and the metabolic analyzer (MA).

Nitrogen for M171 BPMS operation will be supplied from the WPS to meet the flow requirement at the ESS interface. The flow requirement is 0 to 2.24×10^{-3} lb/min. Operation time is 25 minutes per test with 15 tests performed on SL-1/2 and 27 tests performed on SL-1/3 and SL-1/4.

Nitrogen will also be supplied from the WPS to meet a flow requirement at the metabolic analyzer interface of 0 to 0.532 lb/hr. Nominal flow rate considered in this consumables analysis is 0.218 lb/hr. Total nitrogen requirement for M171 operation is 4.89 pounds (refs. 10 through 12).

In addition to the nitrogen, cabin atmosphere is dumped overboard through the mass spectrometer at a maximum rate of 600 SCC/min. The gas is dumped for approximately 30 minutes per test (25-min experiment time plus 5-min setup). This results in an atmospheric requirement of approximately 0.6354 cubic feet per M171 test cycle (ref. 11a).

The M171 dryer is an inline cylinder of silica gel, which absorbs water from the gas as it passes over the gel. The dryer requires no gas for its operations, nor does it absorb gas during its operations, as previously assumed (ref. 11).

5.1.3 M479 Zero Gravity Flammability.- Experiment M479 is designed to provide data on the ignition of various combustible nonmetallics in zero gravity and to provide data on surface flame propagation, flashover to adjacent materials, and extinguishment characteristics. This experiment should contribute to the design of future manned space vehicles that provide maximum crew safety and reliability. The principal components of experiment M479 are the igniter fuel assemblies and the container. The container provides protection to 37 igniter fuel assemblies, each consisting of a specimen, a plug, and an igniter (ref. 14).

Atmospheric requirements will be 4 cubic feet per test cycle, or 148 cubic feet of cluster atmosphere to be vented overboard for performance of experiment M479 (ref. 15). This requirement calls for the redundancy of two purges of the igniter assembly to ensure that all debris has been removed from the chamber to prevent contamination of the next sample. The test cycles will meet the functional objectives of reference 19, which are as follows:

FO1: Perform twelve test cycles of undisturbed burning through burnout on six specimen types (tests 1 through 12).

FO2: Perform six test cycles of undisturbed burning with a vacuum quench on six specimen types (tests 13 through 18).

FO3: Perform six test cycles of undisturbed burning with a water spray quench on six speciman types (tests 19 through 24).[a]

FO4: Perform six test cycles of undisturbed burning of partially supported specimens on six specimen types (tests 25 through 30).

FO5: Perform seven test cycles on two identical test specimens separated by several different material gap distances (tests 31 through 37).

The scheduling of experiment M479 will be entirely for SL-3, as follows:

Mission day	FO number	No. of samples	Atmospheric requirement, cu ft
27	FO1	3	12
29	FO1	9	36
34	FO2	6	24
35	FO3	6	24
40	FO4	6	24
41	FO5	7	28

5.1.4 M512 Materials Processing in Space.- Experiment M512 is designed to demonstrate and evaluate the utility of molten metal phenomena for manufacturing in the vacuum and zero gravity of space. The experiment will define applications of these phenomena to future space programs and industry. Molten metal flow characteristics, freezing patterns, thermal stirring, fusion across gaps, and surface tension will be evaluated. The vacuum chamber of the materials processing facility is vented to the space vacuum.

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[a]To extinguish the six samples in FO3 requires 1.5 pounds of water from the portable water bottle (ref. 2).

Functional objectives and atmospheric requirements of the experiment tasks (refs. 2 and 14) are as follows:

FO1 Metals Melting: Each of several specimens is to be welded by electron beam in the work chamber. Atmospheric requirement: 7.2 cubic feet.

FO2 Sphere Forming: Melt and solidify metals to determine the characteristics of spheres formed in the reduced gravity of space. Formation of spheres in zero gravity has the potential of improving their surface finish, hardness, sphericity, and microstructure. Atmospheric requirement: 30.0 cubic feet.

FO3 Exothermic Heating: Develop a stainless steel tube joining technique for assembly and repair in space. Study and evaluate the flow and capillary action of molten braze material. Demonstrate the feasibility of exothermic reaction in space. Atmospheric requirement: 2.5 cubic feet.

FO4 Composite Casting: Sequentially fire four exothermically heated devices in the work chamber, allow them to cool, and then remove them for subsequent return to earth. Atmospheric requirement: 2.5 cubic feet.

FO5 Single Crystal Growth: Remove module containing three specimens from storage, install it into the work chamber, and then subject it to electrically induced heat for 200 hours. Atmospheric requirement: 2.5 cubic feet.

A contingency requirement of 4.3 cubic feet of OAM atmosphere (ref. 18 supplement) is also required. Therefore, the performance of experiment M512 will require the removal of approximately 50 cubic feet of cluster atmosphere.

5.1.5 <u>Scientific airlock (SAL) experiments</u>.- The atmospheric requirements of the scientific airlock experiments are presented in table 5.1-III (from ref. 28). Because the leak rates of the experiment assembly and the SAL were so minute, they were not considered in this analysis.

The following experiments utilizing the scientific airlock or antisolar airlock were considered:

5.1.5.1 SO19 UV Stellar Astronomy: The objective of experiment SO19 is to obtain ultraviolet (UV) photographic exposures of early star types, Milky Way star fields, and nearby galaxies. The experiment consists of three basic assemblies; an optical canister, a film canister, and an articulated mirror assembly. These assemblies are joined in

series and the whole unit is assembled in the +Z SAL. The SAL also provides access to space environment for the spectrograph. This results in a 0.48 ft³/cycle loss, or a total atmospheric requirement of 3.34 SCF (refs. 20 and 28).

5.1.5.2 SO20 X-Ray/UV Solar Photography: The purpose of experiment SO20 is to photograph the "quiet" and "active" sun. The objective of the experiment is to increase knowledge of the solar spectrum, to aid solar flare prediction, and to aid in predicting the quality of radio communication of various frequencies during solar storms.

The experiment spectrograph assembly (SA) uses the +Z (solar) SAL for an unobstructed optical path to the sun. The SAL is constructed so that the SA can be installed and the experiment operations carried out without depressurizing the OWS. The SAL provides a vacuum line that is equipped with a quick disconnect that mates with the film magazine stowage container (FMSC). With the SAL vacuum line attached, the FMSC may be equalized to OWS pressure or evacuated to space vacuum, corresponding to the state of the SAL. Atmospheric loss is 0.35 cubic feet per performance of SO20, or a total atmospheric loss of 1.75 cubic feet (refs. 21 and 28).

5.1.5.3 SO63 UV Airglow Horizon Photography: The purpose of experiment SO63 is to photograph in visible and ultraviolet light the ozone layer of the earth and the twilight airglow. The experiment is performed in two separate modes, EA I ozone photography and EA II airglow photography. Each mode has a different SAL window and pressurization configuration. For this budget, total atmospheric loss from SAL configuration was 2.92 pounds (refs. 22 and 28).

5.1.5.4 SO73 Gegenschein/Zodiacal Light: The purpose of experiment SO73 is to measure the surface brightness and polarization of the nightglow and the spacecraft corona. To perform the photometer data scans from either the solar SAL or the antisolar SAL requires 0.74 SCF/cycle, or a total atmospheric loss of 6.65 cubic feet (ref. 28).

5.1.5.5 S149 Particle Collection: The objective of experiment S149 is to determine the mass distribution, composition, and morphologies of micrometeorites in near-earth space. The experiment is installed in the SAL for one cycle, the SAL is vented, the outer door is opened, and the experiment is extended out of the SAL. Prior to departure of the SL-1/2 crew, the experiment is reinstalled in the SAL and remains there during unmanned storage for micrometeorite impact detection. The SL-1/3 crew removes the S149 experiment from the SAL upon arrival and stows the experiment hardware. The SL-1/3 crew reinstalls the unit in the SAL for operation and removes and stows the experiment hardware from the SAL. Prior to departure of the SL-1/3 crew the S149 experiment hardware is

reinstalled in the SAL and remains there while the OWS is unmanned. The
SL-1/4 crew removes and stows the experiment hardware upon their reacti-
vation of the OWS. Each removal cycle requires 0.74 cubic feet, or a
total atmospheric loss of 2.96 cubic feet (refs. 23, 24, and 28).

5.1.5.6 S183 UV Panorama: The principal objective of experiment
S183 is to study the hot stars, which are distributed in different regions
of the sky in relation to the Milky Way. The spectrograph assembly (SA)
of experiment S183 interfaces with the -Z (antisolar) scientific airlock
both directly and indirectly. It uses the SAL vacuum facilities, space
vacuum depressurization, and OWS pressurization. The SAL has to be used
by the S183 SA to gain access to space by means of the experiment S019
articulated mirror system (AMS). The atmospheric requirement of experi-
ment S183 is 1.09 SCF/cycle, or 10.90 SCF for the total mission.

5.1.5.7 T025 Coronograph Contamination Measurement: The purpose
of experiment T025 is to investigate the induced particulate atmosphere
that may surround the OA during flight and the nature and extent of the
Solar F Corona. The experiment canister assembly will mate with the SAL
to delete 0.34 SCF/cycle from the OAM atmosphere (refs. 25, 26, and 28).

5.1.5.8 T027 Contamination Measurement: The objective of experiment
T027 is to measure the various forms of contamination around the OA. The
experiment is divided into the sample array system and the photometer
system. Specimens are contained in the sample array in such a way that,
when the array is deployed through the SAL, the specimens are exposed to
the external cluster environment. This requires 0.29 cubic feet of
atmosphere.

The canister of the photometer system maintains the OWS cabin pres-
sure integrity during a T027 experiment performance. The canister has
double molded seals that connect to the SAL, where 0.74 SCF/cycle of
OAM atmosphere is vented to space (refs. 27 and 28).

5.1.6 M509 Astronaut Maneuvering Research Vehicle.- The objective
of experiment M509 is to investigate the utility of new maneuvering con-
cepts to enhance man's operational capability during orbital EVA. Exper-
iment M509 consists of operating the astronaut maneuvering research
vehicle (AMRV) within the work area of the OWS. Propellant would be the
gaseous nitrogen supplied from the self-contained AMRV propellant supply
subsystem (PSS).

Three PSS pressure vessels are provided for inflight operations and
are taken to the AM propellant recharge station for nitrogen charging.
Two operations are required to obtain a full charge, an initial charge
and a topping-off charge (ref. 33). Each operation will take approximately

3 to 5 minutes with appropriate time allowed for the pressure vessel to cool down. The PSS pressure vessel and regulator operational data are provided in reference 5.

The crew pilots will perform various maneuvering tasks inside the OWS to test and evaluate the following four control modes: the hand-held maneuvering unit (HHMU) mode, the direct mode, the rate gyro mode, and the control moment gyro mode. These modes will be used to accomplish the following functional objectives (ref. 19).

FO1: A crewman will perform various familiarization and mission maneuver tests to evaluate all four AMRV modes. Total flying time required is 50 minutes.

FO2: The same crewman will repeat some of the familiarization and mission maneuvers from FO1 and undertake some exploratory maneuvers to evaluate all four operating AMRV modes. Total flying time requires is 1 hour 10 minutes.

FO3: The same crewman will repeat many of the previous maneuvers to evaluate all four modes while wearing a pressurized suit. Total flying time required is 1 hour 20 minutes.

FO4: The same crewman will repeat some of the mission maneuvers and complete the exploratory maneuvering tests. Total flying time required is 1 hour.

The flow rate of nitrogen vented into the cabin for performance of M509 is 20 lb/hr. The suited mode requires a nominal IVA oxygen flow rate of 12.3 lb/hr.

A more detailed analysis of experiment M509 and its effect upon the Skylab atmosphere is presented in section 5.2.

5.1.7 T020 Foot-Controlled Maneuvering Unit (FCMU).- The objective of the exploratory experiment T020 is to provide information about the design and use of simple astronaut maneuvering systems by conducting inflight and ground-based evaluations of an unstabilized space locomotion device. This device employs foot-operated controls, unbalanced attitude thrusters, and translation thrusters acting along a near-vertical body principal axis. The results of experiment T020 will be used for comparison with M509 and zero-gravity simulator results.

The PSS provides high pressure nitrogen storage and pressure regulation capability, which are required by the FCMU propulsion subsystem. The PSS is recharged as in experiment M509 procedures (ref. 33).

TABLE 5.1-I.- EXPERIMENT ALLOCATION MATRIX

(a) SL-2

ACTIVITY	CM	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Activation	All	X	X																										
Off Duty	All										X								X						X				
EVA	1&2																										X		
ATM	All		X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		X	X	X	X						
DOO8	2						1/2						1/2																
EREP	1&2												1	2	3	4	5/6	7/8	9	10									
M071 (1-5)	All	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
D021/24	1&2																									1			
M074	Any	1													1													1	
M172	Any	1													1													1	
M092/93	1								1						1						1								
	2									1					1							1							
	3									1					1							1							
M092/171	1	1			1							1					1						1						
	2		1			1								1						1					1				
	3		1			1								1						1					1				
M131	1				3/4										3/4								3/4						
	2			1/2 3/4				1/2				1/2			3/4		1/2				1/2		3/4 1/2						
	3			1/2 3/4				1/2				1/2			3/4		1/2				1/2		3/4 1/2						
M133	3		X		X	X	X		X			X	X	X		X	X	X		X	X	X		X					
M151	Any								Included in other Experiments																				
M415	N/A								No Astronaut Activity																				
M479	---								Skylab 1/3																				
M487	All				1	2	3	4	5	6	7	8	9	1	2	3	4	5	6	7	8	9							
M509	1&2			1				2									3				4								
M512	1			1			2/3					4																	
S009	3			1																					1				
S015	Any			1/2	2	2	2	2	2	1																			
S019	2																						1/2 3/4 5/6						
S020	---								Skylab 1/3																				
S063	---								Skylab 1/3																				

TABLE 5.1-I.- EXPERIMENT ALLOCATION MATRIX - Continued

(a) SL-2 - Concluded

Activity	CM	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16-17	18	19	20	21	22	23	24	25	26	27	28
S073	3		2	2	2	2						4	4									6	6	6				
S149	2																							1			1/2	
S183	2&3												1	2/3		4	5	6										
T002	Any								Skylab 1/3 and 1/4																			
T003	Any		1	1	1	1	1	1	1	1	1	1	1	123	1	1	1	1	1	1	1	1	123	1	1	1		
T013	All						1																					
T018	N/A								No Astronaut Activity																			
T020	---								Skylab 1/3																			
T025	All																	1		2	3/4	5						
T027	All					1							1	2	2	2	2	2	3		3	3						
Re-ent/Sim	All																		X									
Deactiv.	All																										X	X

TABLE 5.1-I.— EXPERIMENT ALLOCATION MATRIX - Continued

(b) SL-3

Activity	CM	Mission Day 01-57
Activation	All	X X (days 01-02)
Off Duty	All	X (various days)
EVA	All	X (day 02), etc.
ATM	All	X X X X X X X X X ... (nearly continuous)
EREP	All	X X X X X X X X ...
M071 (1-5)	All	X X X X X X X X ... (continuous through day 57)
M074		1 (day 02); 1 (day ~24)
M172		1 (day 02); 1 (day ~24); 1 (day ~57)
M092/93	1	X (various days)
	2	X (various days)
	3	X (various days)
M092/171	1	X (various days)
	2	X (various days)
	3	X (various days)
M151	All	-------- Included in other experiments --------
M415	---	-------- No astronaut activity --------
M487	All	1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9
S149	2	--•4
T003	Any	1 1 1 1 1 1 1 1 1 1 1 123 1 1 1 ... 123 ...
T018	1	-------- No astronaut activity --------
T027	1&3	2 2 2 2 3 3 3 3
Re-ent. Sim.	All	X
Deactiv.	All	X X X
S183	1&2	1 3/45/6 7 8 9 10 11 12
T002	Any	-------- At crew convenience --------
T003	Any	1 1 1 1 1 1 1 1 1 1 1 1 123 1 1 ... 123 ...
T018	N/A	-------- No astronaut activity --------
T020	1&2	1 2 1 2
T027	2	2 2 2 3 3 3 3 3
Re-ent. Sim.	All	X
Deactiv.	All	X X

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TABLE 5.1-I.- EXPERIMENT ALLOCATION MATRIX - Concluded

(c) SL-4

Mission Day

Activity	ON	01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57
Activation	A11	X X
Off Duty	A11	X (days 12) X (19) X (23) X (29) X (35) X (41) X (47) X (55)
EVA	A11	X (03)
ATM	A11	X X X X X X X X X (04–13) X X X X X X (14–18) X X X X X (20–25) X X X X X (26–31) X X X X X (33–38) X X X X X (39–44) X X X X (45–49) X X X X X (52–56)
EREP	A11	X X X X X X X X X (05–12) X X X (13–16) X (17) X X (21–22) X (24) (…) X (48) X X (53–55)
M071 (1-5)	A11	X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X
M074		1 (02) ... 1 (30) ... 1 (53)
N172		1 (02) ... 1 (31) ... 1 (54)
M092/93	1	X (07) X (15) X (20) X (26) X (33) X (40) X (47)
	2	X (05) X (13) X (19) X (25) X (32) X (39) X (46) X (53)
	3	X (06) X (14) X (20) X (26) X (32) X (39) X (45) X (52)
M092/171	1	X (04) X (11) X (17) X (23) X (29) X (35) X (41) X (48)
	2	X (05) X (11) X (17) X (23) X (29) X (35) X (41) X (48) X (54)
	3	X (05) X (11) X (17) X (23) X (29) X (35) X (41) X (48) X (54)
M151	A11	--- Included in other experiments ---
M415	---	--- No astronaut activity ---
M487	A11	1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9
S149	2	--4
T003	Any	1 1 1 1 1 1 1 1 1 1 123 1 1 1 1 1 1 1 1 123 1 1 1 1 1 1 1 1 123 1 1 1 1 1 1 1 1 123 1 1 1 1 1 1 1 1 123 1 1 1 1 1 1
T018	1	--- No astronaut activity ---
T027	1&3	2 2 2 2 3 3 3 3
Re-ent. Sim.	A11	X
Deactiv.	A11	X X X

TABLE 5.1-II.- EXPERIMENTS CONSUMPTION

(a) Skylab 2 IVA experiment schedule

EXPERIMENT	TIME(HR)	OXYGEN USED (LB)	NITROGEN USED(LB)	OXYGEN VENTED (LB)	NITROGEN VENTED(LB).
URINE	12.80	.00	.00	.00	.00
TRASH	25.60	.00	.00	.03	.01
M092-S	31.90	.00	.09	.86	.27
M171-S	33.00	.00	.07	.01	.00
M092-S	49.75	.00	.09	.87	.26
M171-S	51.00	.00	.07	.01	.00
M092-S	56.00	.00	.09	.87	.25
M171-S	57.00	.00	.07	.01	.00
M512-1	72.25	.00	.00	.18	.06
S073ST	78.00	.00	.00	.02	.00
M5091S	80.50	.00	16.60	.00	.00
S073ST	96.00	.00	.00	.02	.01
T027-1	96.50	.00	.00	.01	.00
M092-S	103.75	.00	.09	.86	.29
M171-S	105.00	.00	.07	.01	.00
M092-S	121.75	.00	.09	.85	.28
M171-S	123.00	.00	.07	.01	.00
M092-S	128.00	.00	.09	.85	.28
M171-S	129.00	.00	.07	.01	.00
M512-2	144.00	.00	.00	.59	.18
M512-3	151.50	.00	.00	.12	.04
MS092S	168.84	.00	23.20	.00	.00
M092-S	176.33	.00	.09	.85	.33
M092-S	194.00	.00	.09	.83	.32
M092-S	200.25	.00	.09	.82	.32
T027-1	240.00	.00	.00	.01	.00
M512-4	241.00	.00	.00	.06	.02
M092-S	247.75	.00	.09	.83	.29
M171-S	249.00	.00	.07	.01	.00
M092-S	265.50	.00	.09	.84	.28
M171-S	266.75	.00	.07	.01	.00
S073ST	270.75	.00	.00	.01	.00
M092-S	271.75	.00	.09	.84	.28
M171-S	273.00	.00	.07	.01	.00
T027-2	289.25	.00	.00	.01	.00
S183ST	294.75	.00	.00	.02	.01
T027-2	295.75	.00	.00	.01	.00
T027-2	319.00	.00	.00	.02	.00
M092-S	320.50	.00	.09	.87	.25
M092-S	337.00	.00	.09	.88	.24
M092-S	344.50	.00	.09	.88	.24
S183ST	362.75	.00	.00	.02	.01
MS093S	368.67	16.36	26.60	.00	.00
T027-2	390.25	.00	.00	.02	.01
M092-S	391.75	.00	.09	.88	.31
M171-S	393.00	.00	.07	.01	.00
S183ST	408.75	.00	.00	.02	.01
M092-S	411.00	.00	.09	.85	.30
M171-S	412.00	.00	.07	.01	.00
T027-3	413.76	.00	.00	.01	.01
M092-S	416.00	.00	.09	.84	.30

TABLE 5.1-11.- EXPERIMENTS CONSUMPTION - Continued

(a) Skylab 2 IVA experiment schedule - Concluded

M171-S	417.00	.00	.07	.01	.00
T027-3	419.75	.00	.00	.01	.01
T027-3	420.50	.00	.00	.01	.01
T026ST	456.50	.00	.00	.01	.00
MS094S	457.00	.00	20.00	.00	.00
T027-3	462.00	.00	.00	.01	.01
M092-S	464.50	.00	.09	.83	.34
T027-3	480.25	.00	.00	.01	.01
M092-S	482.25	.00	.09	.81	.33
M092-S	488.25	.00	.09	.81	.33
T026ST	510.75	.00	.00	.01	.00
M092-S	535.75	.00	.09	.82	.30
M171-S	537.00	.00	.07	.01	.00
S073ST	552.00	.00	.00	.01	.01
M092-S	554.00	.00	.09	.83	.29
M171-S	555.00	.00	.07	.01	.00
S019ST	558.00	.00	.00	.01	.00
M092-S	560.00	.00	.09	.83	.28
M171-S	561.00	.00	.07	.01	.00
SUTACT	600.75	10.44	.00	.00	.00
S149ST	628.75	.00	.00	.02	.00
TRASH	641.75	.00	.00	.04	.01
URINE	645.00	.00	.00	.01	.00
TRASH	651.30	.00	.00	.04	.01
TRASH	661.00	.00	.00	.04	.01

TABLE 5.1-II.- EXPERIMENTS CONSUMPTION - Continued

(b) Skylab 2 experiments summary

Experiment	No. of performances	Totals, lb			
		O_2 used	N_2 used	O_2 vented	N_2 vented
M092	24	0.0	2.256	20.30	6.96
M171	15	0.0	1.065	0.191	0.064
M479	0	--	--	--	--
M509	4	16.36	86.40	0.0	0.0
M512	4	0.0	0.0	0.95	0.32
S019	1	0.0	0.0	0.0094	0.0032
S020	0	--	--	--	--
S063	0	--	--	--	--
S073	4	0.0	0.0	0.06	0.02
S149	1	0.0	0.0	0.015	0.0045
S183	3	0.0	0.0	0.067	0.021
T020	0	--	--	--	--
T025	2	0.0	0.0	0.013	0.0047
T027	5	0.0	0.0	0.14	0.05

TABLE 5.1-11.- EXPERIMENTS CONSUMPTION - Continued

(c) Skylab 3 IVA experiment schedule

EXPERIMENT	TIME(HR)	OXYGEN USED (LB)	NITROGEN USED(LB)	OXYGEN VENTED (LB)	NITROGEN VENTED(LB)
S149ST	29.00	.00	.00	.02	.00
M092-S	31.00	.00	.09	.89	.23
M171-S	32.00	.00	.07	.01	.00
T027-2	35.75	.00	.00	.02	.00
M092-S	37.00	.00	.09	.89	.23
M171-S	38.00	.00	.07	.01	.00
T027-2	59.00	.00	.00	.02	.00
M092-S	61.00	.00	.09	.90	.23
M171-S	62.00	.00	.07	.01	.00
SUTACT	78.75	10.44	.00	.00	.00
T027-2	85.66	.00	.00	.02	.00
S063ST	102.50	.00	.00	.01	.00
M092-S	103.25	.00	.09	.88	.25
T027-2	107.00	.00	.00	.02	.00
M092-S	109.25	.00	.09	.88	.25
T027-3	132.00	.00	.00	.02	.00
T027-3	133.00	.00	.00	.02	.00
M092-S	133.50	.00	.09	.89	.24
T027-3	149.00	.00	.00	.02	.00
S020ST	155.75	.00	.00	.01	.00
MS091S	157.33	.00	16.80	.00	.00
M092-S	176.00	.00	.09	.88	.28
M171-S	176.00	.00	.07	.01	.00
T027-3	178.50	.00	.00	.02	.00
T027-3	179.00	.00	.00	.02	.00
M092-S	181.00	.00	.09	.87	.27
M171-S	182.00	.00	.07	.01	.00
T027-3	197.00	.00	.00	.02	.00
T027-3	198.00	.00	.00	.02	.00
S020ST	199.25	.00	.00	.01	.00
M092-S	205.00	.00	.09	.87	.26
M171-S	206.00	.00	.07	.01	.00
M092-S	247.25	.00	.09	.89	.24
M092-S	253.25	.00	.09	.89	.24
S073ST	269.00	.00	.00	.02	.00
MS092S	271.00	.00	23.20	.00	.00
M092-S	277.33	.00	.09	.88	.31
M092-S	319.00	.00	.09	.85	.28
M171-S	320.00	.00	.07	.01	.00
M092-S	325.00	.00	.09	.85	.28
M171-S	326.00	.00	.07	.01	.00
S073ST	341.50	.00	.00	.01	.00
S019ST	347.75	.00	.00	.01	.00
M092-S	349.00	.00	.09	.86	.27
M171-S	350.00	.00	.07	.01	.00
MS12-6	364.00	.00	.00	.04	.02
S019ST	366.50	.00	.00	.01	.00
MS093S	373.67	16.36	26.60	.00	.00
M092-S	391.00	.00	.09	.87	.34
S019ST	396.00	.00	.00	.01	.00
M092-S	397.00	.00	.09	.85	.33
S019ST	419.25	.00	.00	.01	.00
M092-S	421.25	.00	.09	.82	.32
M092-S	462.75	.00	.09	.83	.29

TABLE 5.1-11.- EXPERIMENTS CONSUMPTION - Continued

(c) Skylab 3 IVA experiment schedule - Continued

M171-S	464.00	.00	.07	.01	.00
M092-S	469.00	.00	.09	.83	.29
M171-S	470.00	.00	.07	.01	.00
M5094S	485.00	.00	20.00	.00	.00
M092-S	493.00	.00	.09	.82	.35
M171-S	494.00	.00	.07	.01	.01
S183ST	516.00	.00	.00	.02	.01
M092-S	535.25	.00	.09	.81	.32
S183ST	539.00	.00	.00	.02	.01
M092-S	541.00	.00	.09	.81	.31
S020ST	563.00	.00	.00	.03	.01
M5091S	564.16	.00	16.80	.00	.00
M092-S	565.00	.00	.09	.82	.36
M092-S	565.50	.00	.09	.81	.36
M512-S	568.25	.00	.00	.06	.03
M4791A	605.50	.00	.00	.22	.09
M092-S	606.75	.00	.09	.79	.33
M171-S	607.75	.00	.07	.01	.00
S183ST	612.25	.00	.00	.02	.01
M092-S	613.00	.00	.09	.79	.33
M171-S	614.00	.00	.07	.01	.00
S183ST	635.76	.00	.00	.02	.01
M092-S	636.75	.00	.09	.81	.31
M171-S	637.75	.00	.07	.01	.00
SUTACT	654.75	10.44	.00	.00	.00
M4791B	662.00	.00	.00	.71	.25
S183ST	663.75	.00	.00	.02	.01
M092-S	680.00	.00	.09	.84	.28
S183ST	683.75	.00	.00	.02	.01
M092-S	685.50	.00	.09	.84	.28
S020ST	701.00	.00	.00	.01	.00
S063ST	703.00	.00	.00	.01	.00
M5092S	707.50	.00	23.20	.00	.00
M092-S	709.33	.00	.09	.85	.35
M092-S	751.00	.00	.09	.81	.32
M171-S	752.00	.00	.07	.01	.00
S063ST	754.75	.00	.00	.01	.00
M092-S	757.00	.00	.09	.81	.32
M171-S	758.00	.00	.07	.01	.00
M479-2	773.25	.00	.00	.46	.17
S063ST	779.00	.00	.00	.01	.00
M092-S	781.00	.00	.09	.82	.30
M171-S	782.00	.00	.07	.01	.00
M5093S	799.00	16.36	26.60	.00	.00
S063ST	804.00	.00	.00	.01	.00
M479-3	805.50	.00	.00	.48	.22
M092-S	823.50	.00	.09	.81	.37
S063ST	827.50	.00	.00	.01	.00
M092-S	829.25	.00	.09	.80	.36
S063ST	852.25	.00	.00	.00	.00
M092-S	853.25	.00	.09	.78	.35
M092-S	894.75	.00	.09	.80	.32
M171-S	896.00	.00	.07	.01	.00
S063ST	899.00	.00	.00	.01	.00
S020ST	899.50	.00	.00	.01	.00
M092-S	901.00	.00	.09	.80	.31
M171-S	902.00	.00	.07	.01	.00
M479-4	917.50	.00	.00	.46	.17

TABLE 5.1-II.- EXPERIMENTS CONSUMPTION - Continued

(c) Skylab 3 IVA experiment schedule - Concluded

S073ST	920.00	.00	.00	.01	.01
S063ST	924.00	.00	.00	.01	.00
M092-S	925.00	.00	.09	.82	.30
M171-S	926.00	.00	.07	.01	.00
MS094S	941.00	.00	20.00	.00	.00
S063ST	947.00	.00	.00	.01	.00
M479-S	949.50	.00	.00	.53	.24
M092-S	967.50	.00	.09	.79	.34
M092-S	973.25	.00	.09	.79	.34
S073ST	989.00	.00	.00	.01	.01
M092-S	997.25	.00	.09	.80	.32
S019ST	1001.25	.00	.00	.01	.00
M092-S	1039.25	.00	.09	.82	.30
M171-S	1040.25	.00	.07	.01	.00
T0201S	1043.50	.00	15.00	.00	.00
M092-S	1045.00	.00	.09	.82	.35
M171-S	1046.00	.00	.07	.01	.01
S019ST	1067.75	.00	.00	.01	.00
M092-S	1069.00	.00	.09	.80	.33
M171-S	1070.00	.00	.07	.01	.00
M092-S	1111.26	.00	.09	.81	.31
T0202S	1114.50	9.23	15.00	.00	.00
M092-S	1117.50	.00	.09	.84	.36
M092-S	1141.25	.00	.09	.80	.34
S073ST	1144.25	.00	.00	.01	.01
T0201S	1182.00	.00	20.00	.00	.00
M092-S	1183.00	.00	.09	.81	.39
M171-S	1184.00	.00	.07	.01	.01
M092-S	1189.00	.00	.09	.79	.38
M171-S	1190.00	.00	.07	.01	.01
M092-S	1212.50	.00	.09	.77	.37
M171-S	1214.00	.00	.07	.01	.01
S063ST	1255.50	.00	.00	.00	.00
T0202S	1260.00	12.30	20.00	.00	.00
SUTACT	1278.75	10.44	.00	.00	.00
S149ST	1307.00	.00	.00	.01	.01

TABLE 5.1-II.- EXPERIMENTS CONSUMPTION - Continued

(d)   Skylab 3 experiments summary

Experiment	No. of performances	Totals, lb			
		O_2 used	N_2 used	O_2 vented	N_2 vented
M092	51	0.0	4.890	43.250	16.090
M171	27	0.0	1.917	0.335	0.123
M479	5	0.0	0.00	2.87	1.138
M509	8	32.72	173.20	0.00	0.00
M512-5	2	0.0	0.0	0.118	0.044
S019	6	0.0	0.0	0.056	0.021
S020	5	0.0	0.0	0.035	0.011
S063	11	0.0	0.0	0.057	0.022
S073	5	0.0	0.0	0.072	0.026
S149	2	0.0	0.0	0.029	0.011
S183	7	0.0	0.0	0.126	0.048
T020	4	21.53	70.00	0.00	0.00
T025	0	--	--	--	--
T027	3	0.0	0.0	0.17	0.048

TABLE 5.1-11.- EXPERIMENTS CONSUMPTION - Continued

(e) Skylab 4 IVA experiment schedule

EXPERIMENT	TIME(HR)	OXYGEN USED (LB)	NITROGEN USED(LB)	OXYGEN VENTED (LB)	NITROGEN VENTED(LB)
S149ST	25.75	.00	.00	.01	.00
SUTACT	47.50	10.44	.00	.00	.00
M092-S	71.58	.00	.09	.87	.26
M171-S	72.75	.00	.07	.01	.00
M092-S	77.58	.00	.09	.87	.26
M171-S	78.75	.00	.07	.01	.00
M092-S	101.63	.00	.09	.88	.24
M171-S	102.75	.00	.07	.01	.00
T027-2	125.75	.00	.00	.02	.00
M092-S	144.88	.00	.09	.90	.23
T027-2	148.70	.00	.00	.02	.00
M092-S	150.25	.00	.09	.90	.22
T027-2	172.35	.00	.00	.02	.00
M092-S	174.13	.00	.09	.86	.27
T027-2	197.25	.00	.00	.02	.00
M092-S	215.63	.00	.09	.88	.25
M171-S	216.75	.00	.07	.01	.00
M092-S	221.63	.00	.09	.88	.24
M171-S	223.33	.00	.07	.01	.00
T027-3	239.13	.00	.00	.02	.00
M092-S	245.60	.00	.09	.89	.23
M171-S	244.75	.00	.07	.01	.00
T027-3	285.83	.00	.00	.02	.00
M092-S	288.13	.00	.09	.86	.27
M092-S	294.13	.00	.09	.86	.27
T027-3	310.73	.00	.00	.02	.00
M092-S	318.13	.00	.09	.87	.26
T027-3	334.05	.00	.00	.02	.00
M092-S	359.63	.00	.09	.89	.23
M171-S	360.75	.00	.07	.01	.00
M092-S	365.63	.00	.09	.89	.23
M171-S	366.75	.00	.07	.01	.00
M092-S	389.63	.00	.09	.90	.23
M171-S	390.75	.00	.07	.01	.00
M092-S	432.13	.00	.09	.87	.26
M092-S	438.13	.00	.09	.87	.26
M092-S	462.13	.00	.09	.88	.24
M092-S	503.63	.00	.09	.89	.24
M171-S	504.75	.00	.07	.01	.00
M092-S	509.63	.00	.09	.87	.25
M171-S	510.75	.00	.07	.01	.00
M092-S	533.63	.00	.09	.87	.26
M171-S	534.75	.00	.07	.01	.00
M092-S	576.13	.00	.09	.89	.24
M092-S	582.13	.00	.09	.89	.23
M092-S	606.13	.00	.09	.90	.22
M092-S	647.63	.00	.09	.87	.26
M171-S	648.75	.00	.07	.01	.00
M092-S	653.63	.00	.09	.87	.25
M171-S	654.75	.00	.07	.01	.00
M092-S	677.63	.00	.09	.88	.24
M171-S	678.75	.00	.07	.01	.00
M092-S	720.13	.00	.09	.90	.23
M092-S	726.13	.00	.09	.88	.25

TABLE 5.1-11.- EXPERIMENTS CONSUMPTION - Continued

(e) Skylab 4 IVA experiment schedule - Concluded

M092-S	750.13	.00	.09	.87	.26
M092-S	791.63	.00	.09	.89	.24
M171-S	792.75	.00	.07	.01	.00
M092-S	797.63	.00	.09	.89	.23
M171-S	798.75	.00	.07	.01	.00
M092-S	821.63	.00	.09	.90	.22
M171-S	822.75	.00	.07	.01	.00
M092-S	864.13	.00	.09	.87	.26
M092-S	870.13	.00	.09	.87	.26
M092-S	894.13	.00	.09	.88	.24
M092-S	935.63	.00	.09	.90	.23
M171-S	936.75	.00	.07	.01	.00
M092-S	941.63	.00	.09	.90	.22
M171-S	942.75	.00	.07	.01	.00
M092-S	965.63	.00	.09	.86	.26
M171-S	966.75	.00	.07	.01	.00
M092-S	1008.13	.00	.09	.88	.25
M092-S	1014.13	.00	.09	.88	.24
M092-S	1038.13	.00	.09	.90	.23
M092-S	1079.63	.00	.09	.86	.27
M171-S	1080.75	.00	.07	.01	.00
M092-S	1085.63	.00	.09	.86	.27
M171-S	1086.75	.00	.07	.01	.00
M092-S	1109.63	.00	.09	.87	.25
M171-S	1110.76	.00	.07	.01	.00
M092-S	1152.13	.00	.09	.89	.23
M092-S	1158.13	.00	.09	.89	.23
M092-S	1182.13	.00	.09	.90	.23
M092-S	1223.63	.00	.09	.87	.25
M171-S	1224.75	.00	.07	.01	.00
M092-S	1229.63	.00	.09	.87	.25
M171-S	1230.75	.00	.07	.01	.00
M092-S	1253.63	.00	.09	.89	.24
M171-S	1254.75	.00	.07	.01	.00
SUTACT	1271.50	10.44	.00	.00	.00

TABLE 5.1-II.- EXPERIMENTS CONSUMPTION - Continued

(f) Skylab 4 experiments summary

Experiment	No. of Performances	Totals, lb			
		O_2 used	N_2 used	O_2 vented	N_2 vented
M092	51	0.0	4.79	44.92	12.46
M171	27	0.0	1.92	0.355	0.099
M479	0	--	--	--	--
M509	0	--	--	--	--
M512	0	--	--	--	--
S019	0	--	--	--	--
S020	0	--	--	--	--
S063	0	--	--	--	--
S073	0	--	--	--	--
S149	1	0.0	0.00	0.015	0.0045
S183	0	--	--	--	--
T020	0	--	--	--	--
T025	0	--	--	--	--
T027	2	0.0	0.00	0.12	0.034

TABLE 5.1-II.- EXPERIMENTS CONSUMPTION - Concluded

(g) Skylab missions ECS experiments summary

Experiment	No. of performances	Totals, lb			
		O_2 used	N_2 used	O_2 vented	N_2 vented
M092-S	126	0.0	11.94	108.47	35.51
M171	69	0.0	4.89	0.88	0.29
M479	5	0.0	0.0	2.87	1.14
M509	12	49.08	259.60	0.00	0.00
M512	6	0.0	0.0	1.07	0.36
S019	7	0.0	0.0	0.07	0.02
S020	5	0.0	0.0	0.04	0.01
S063	11	0.0	0.0	0.06	0.02
S073	9	0.0	0.0	0.13	0.05
S149	4	0.0	0.0	0.06	0.02
S183	10	0.0	0.0	0.19	0.07
T020	4	21.53	70.00	0.00	0.00
T025	2	0.0	0.0	0.01	0.005
T027	10	0.0	0.0	0.43	0.13

TABLE 5.1-III.- SCIENTIFIC AIRLOCK ATMOSPHERIC REQUIREMENTS

Experiment	Experiment assembly leak rate (SCC/sec)	SAL volume vented, in^3	Experiment volume vented, in^3	SAL leakage O_2 at 5 psi (SCC/sec)	No. cycles venting per March 1971 flight plan			Total SL-2, -3, and -4 calc atmospheric losses (SCF)	Loss per performance SCF/cycle
					SL-2	SL-3	SL-4		
S019	3×10^{-4} O_2 at 6 psia	1350	1070	2.6×10^{-3}	1	6	0	3.34	.48
S020	9×10^{-5} Dry air at 14.7 psia	1350	427	2.6×10^{-3}	0	5	0	1.75	.35
S063	4×10^{-4} O_2 at 6.5 psia	1350	0	2.6×10^{-3}	0	11	0	2.92	.27
S073	5×10^{-2} O_2 at 5 psia	1350	2400	2.6×10^{-3}	4	5	0	6.65	.74
S149	5×10^{-2} O_2 at 5 psia	1350	2400	2.6×10^{-3}	1	2	1	2.96	.74
S183	5×10^{-4} O_2 at 5 psia	1350	4200	2.6×10^{-3}	3	7	0	10.90	1.09
T025	8.6×10^{-4} O_2 at 6.5 psia	1350	360	2.6×10^{-3}	2	0	0	.68	.34
T027 Sample array	4×10^{-4} O_2 at 5 psia	1350	109	2.6×10^{-3}	1	0	0	.29	.29
Photometer	5×10^{-2} O_2 at 5 psia	1350	2400	2.6×10^{-3}	4	3	2	6.65	.74

The flow rate of nitrogen vented into the cabin for performance of T020 is 20 lb/hr. The suited mode also requires an oxygen flow rate of 12.3 lb/hr, which is nominal IVA flow. A more detailed analysis of the Skylab experiments relating to astronaut maneuvering is presented in section 5.2.

5.2 Performance Effects of the Maneuvering Experiments
(M509 and T020)

Examination of the analysis results shows that the scheduling and performance of experiments M509 and T020 have an appreciable effect on the atmospheric partial and total pressures. This effect is seen in figure 4, which shows the partial pressures of oxygen and nitrogen as well as the total pressure of the cluster as functions of mission time. Experiment M509 is scheduled four times during the SL-1/2 mission. Figure 4 indicates that, during the second time the experiment is scheduled (at 168.84 hr into the mission), the total pressure exceeds the desired 5.2 psia and the partial pressure of oxygen falls below the 3.5 psia level. Similar effects occur at 368.67 and 457.00 hours. In addition, at 368.67 hours, the total pressure exceeds 5.5 psia, which causes the pressure relief valve to crack open, consequently venting into space the cluster atmosphere.

The impact of experiments M509 and T020 on the cluster atmospheric pressure is more pronounced in the SL-3 mission since the experiments are then performed eight and four times, respectively. Figure 4 shows that the partial pressure of oxygen drops and remains below the 3.5 psia level for almost the entire mission, reaching a low of 3.2 psia. Similarly, the nitrogen partial pressure rises to a 1.9 psia peak value in response to the addition of the propulsive gases used in the performance of the experiments under consideration.

Note that on two occasions, at 373.67 and at 799.0 hours, the pressure relief valve cracks, with corresponding venting of the cluster atmosphere. This occurrence is due to the performance of the M509 experiment in the suited mode, in which both oxygen and nitrogen gases are added to the cabin atmosphere.

The behavior of the propulsive experiments and their effect on the atmospheric composition and pressure substantiate the findings of an earlier analysis performed by the Consumables Analysis Section (ref. 29). That analysis will be revised to include the refinements made to the program that are reflected in this analysis. Note the stable nature of the cluster atmospheric pressure for the SL-4 mission, during which neither the M509 nor the T020 experiments is performed. Figure 4 shows that the total pressure remained at a constant 5.0 psia, the oxygen partial pressure fluctuated between 3.55 to 3.75 psia, and the nitrogen partial

pressure fluctuated between a 1.2 and 1.35 psia in response to the mission activities. Figure 5 shows the oxygen and nitrogen percentage of the total pressure.

5.3 Activity Metabolic Rates

Table 5.3-I presents metabolic rates for each Skylab activity. The table includes all activities presently planned in the SL-1/2, SL-3, and SL-4 flight plans (ref. 1) and extends the list presented in reference 34 to correspond to the functional objectives described in the Mission Requirements Document (ref. 19). The activity metabolic rates were reviewed by the Biomedical Laboratories Division - Environmental Physiology Laboratory. No changes were considered necessary for premission analysis.

The metabolic profiles for the Skylab missions are presented in figures 1 through 3.

5.4 Pressurization Requirements

Pressurization requirements for the Skylab missions are described in assumption 15 of section 4.0. For the SL-1/2 mission, the OWS and the MDA/AM are pressurized on the ground with nitrogen and bled down in orbit to the calculated equivalent of 1.3 psia at 70°F. Thus, the only pressurization requirements for the SL-1/2 mission is the oxygen used to increase the pressure from 1.3 to 5.0 psia to provide a final atmosphere composition of 74 percent oxygen and 26 percent nitrogen. Additional nitrogen is not budgeted for the possibility that the entire ground pressurization of nitrogen might be lost. Nominal pressurization flow rates are 22.65 lb/hr oxygen and 6.95 lb/hr nitrogen.

For subsequent missions, nitrogen and oxygen are required for initial pressurization. By mission rules, a minimum SWS pressure of 0.5 psia must be maintained during orbital storage. The SWS, however, will decrease in oxygen partial pressure only to 1.65 psia and in nitrogen partial pressure to 0.48 psia for SL-3. The fourth mission begins with an oxygen partial pressure of 1.4 psia and a nitrogen pressure of 0.73 psia. All solenoid valves are normally closed during the unmanned phase except during the pressurization sequence (ref. 7).

No pressurization requirement is included for the command module. Pressurization requirements no longer assume a 25 percent margin for the OWS (ref. 34). This was to allow for unknown factors that might occur during the period from initial pressurization of the OWS until the time when the OWS is activated.

TABLE 5.3-I.- ACTIVITY METABOLIC RATES

Symbol*	Metabolic rate (Btu/hr)	Activity
ACTIV1	585	MDA Activation
ACTIV2	585	OWS Activation
AMACT	585	Airlock Module Activation
AMAFT	585	AM Aft Compartment Activation
AMFLOW	585	AM Air Flow Initiation
AM/OWS	585	Equalize AM/OWS Pressure
APCS	585	Checkout APCS (including EPC calibration)
ATM	440	ATM Experiments
ATMACT	585	ATM Activation
ATM/AM	585	Unparallel ATM/AM - CSM EPS
ATM-CK	492	ATM Check
ATM-M	500	ATM performance while eating at console
ATMMON	440	ATM Monitoring
ATMPRP	440	ATM Experiment Preparations
ATMSYM	427	ATM standby while eating at C & D console
ATMSBY	419	Standby
CHECK	585	Verify Instrumentation or Systems
CMBOIL	585	CM Boiloff
CMPOTW	560	CM potable water bottle return
CNTRLP	585	Configure Cb and experiment compartment control panels
COMACT	585	Activate communications
CSMACT	500	CSM Activation
CSMECS	585	CSM ECS quiescent mode
CSMMDA	585	Equalize CSM/MDA pressure
CSMPWR	585	Connect CSM power and control umbilicals
C/W	585	Activate MDA/AM Caution and Warning System
DEACT1	585	MDA/AM Deactivation
DEACT2	585	OWS Deactivation
DEACT3	585	ATM Deactivation
DEACT4	585	CSM Deactivation
DEBRF	500	Debriefing
DECOM	585	Deactivate communications
DECOND	585	Deactivate condensate system

* Consumables budget program activity identification block (MSC/TRW Task AA-29)

TABLE 5.3-I.- ACTIVITY METABOLIC RATES - Continued

DEH2O	585	Deactivate water system
DELOCK	585	Deactivate lock/aft compartments
DEMOLS	585	Deactivate Molecular Sieve
DEPLOY	585	Deploy canister strut and mirror
DESUIT	1100	Disconnect ECS suit umbilicals after EVA
DETCS	585	Deactivate thermal control
DEWMS	585	Deactivate water management system
DISUMB	585	Disconnect CSM/MDA umbilicals
DOCK	440	Docking
DOFSUT	1100	Remove pressure suit
DONSUT	1100	Don Pressure Suit
DUCT	585	Install AM/OWS duct
DUMMY	0	Extraneous activities
EAT	427	Eat period
EGRESS	0	Leave AM for EVA
EMS-T	500	Entry Monitoring
ENTPRP	500	Entry Preparations
ENTRY	585	Inspect OWS
EPS	585	Configure EPS and lighting
EREP	500	Earth Resources Experiment Package
EREPDP	419	Earth Resources Experiment Package Data Pass
ESS	700	Set up of Experiment Support Subsystem
EVA	0	EVA Activities
EVAATM	1745	EVA to ATM
EVAMON	440	EVA Monitoring
EVAPRP	1100	EVA preparations
EVASBY	600	EVA Standby
EVAWCH	440	EVA watch
EXPDON	700	Don experiment equipment
EXPDOF	700	Doff experiment equipment
EXPPRP	559	Experiment preparation
FANS	585	Configure fans and heater
FOOD	585	Configure food storage and food preparation system
H2OACT	585	Activate water system
H2OCON	585	Check condensate tank water level
H2OPCK	585	Water tank pressure check

TABLE 5.3-I.- ACTIVITY METABOLIC RATES - Continued

H2OSAM	560	Water/iodine sampling
HATCH 1	585	Configure MDA hatch
HATCH2	585	Configure OWS hatch
HDWPRP	700	Hardware preparations
HEAT	585	Configure CSM/MDA/AM circulation and heater controls
INGRES	0	Enter AM from EVA
INVTRY	440	Inventory
LAUNCH	585	Configure launch stowage and launch restraints
LCG	700	Recharge liquid cool garments before orbital storage
LIGHTS	585	Configure lighting
LSU	700	Recharge life support umbilical before orbital storage
MCC	440	Power up Mission Control Center
MDAVNT	585	Configure MDA vent valves
ML	427	Meal
MNVR	559	Maneuvers
MOL-S	585	Activate molecular sieve
MSSTST	500	Motion Sickness susceptibility test
O2/N2	585	Activate O2/N2 control system
OGITST	500	Occulogural Illusion test
OFFDTY	500	Off duty
OPEN	420	No activity scheduled
OWSTRN	585	Transfer equipment to OWS
PANEL	585	Configure control panels
PCU	700	Recharge pressure control unit before orbital storage
PH	500	Personal hygiene
PLN	427	Mission planning activities
PLUG	585	Plug compartment vent valves
PORH2O	560	Fill portable water bottle
PSTEVA	1527	Post EVA activities
PST-DK	500	Post docking
PWRDN	440	Power down
P51IMU	500	P51 Monitoring Instrumentation
P52IMU	500	P52 Monitoring Instrumentation
R-R	420	Rest and Recreation

REFRIG	585	Configure RSS (refrigeration subsystem)
REND	559	Rendezvous
RENTRY	500	Reentry
SU	700	Set up ATM experiments
S/DN	500	Splashdown
SEP	559	Separation
SEPPRP	500	Separation preparation
S+TBC	508	S019 and T027 Bias check
SLEEP	320	Sleep period
SLEEPM	320	Sleep monitoring (M133)
SPS-BN	500	SPS burn
STA-KP	440	Station keeping
STSACT	585	STS Activation
SUTACT	1100	Connect ECS umbilicals before EVA
SYSCK	500	CM System Check
SYS-HK	440	Systems Housekeeping
TCS	585	Configure Thermal Control System
TM	585	Checkout telemetry system
TRASH	585	Trash airlock dump
TUNACT	600	Tunnel activation
TUNDEA	700	Tunnel deactivation
UNDOCK	500	CSM undocking
URINE	521	Waste management system urine dump
WASTE	521	Waste management system dump
WATCH	427	Activity monitoring
WMS	585	Configure waste management system
WSBACT	540	Water system bacteriological cleansing
WSBLOW	559	Water system blowdown
ZLVMVR	559	Earth and Rendezvous Pointing attitude maneuvers
D008-1	440	Radiation in Spacecraft-CM Dosimeter surveys in the South Atlantic Anomaly
D008-2	440	Radiation in Spacecraft-CM Dosimeter surveys in northern latitudes
D021-1	600	Expandable airlock technology-deplay airlock package
D021-2	492	Expandable airlock technology-Perform 15 day leakage test

TABLE 5.3-I.- ACTIVITY METABOLIC RATES – Continued

DO21-3	600	Expandable airlock technology-EVA evaluation and sample retrieval
DO21-4	600	Expandable Airlock Technology – Perform airlock pressure test
DO24	2275	Thermal Control Coatings
M071	492	Mineral Balance – Metabolic constituents data
M073	492	Bioassay of body fluids
M074	440	Specimen mass measurement
M092	540	Inflight Lower Body Negative pressure (LBNPD)
M092-O	521	Inflight LBNP – observer mode
M092-S	540	Inflight LBNP – subject mode
M093-O	521	Vectorcardiogram – observer
M093-S	645	Vectorcardiogram – subject
M131AO	500	Human vestibular function-observer for FO1 (M131-1) and FO2 (M131-2)
M131AS	559	Human vestibular function – subject for FO1 and FO2
M131BO	492	Human vestibular function – observer for FO3 (M131-3) and FO4 (M131-4)
M131BS	540	Human vestibular function – subject for FO3 and FO4
M131-1	500	Human Vestibular Function – OGI, OTG and RLC threshold tests in rotating mode
M131-2	559	Human Vestibular Function – Motion Sickness Succesptibility tests in the RLC
M131-3	492	Human Vestibular Function – Visual spatial localization tests using the OTG and RLC
M131-4	540	Human Vestibular Function – Non-visual spatial localization tests using rod, sphere and RLC
M133	320	Sleep Monitoring
M151-1	492	Time and Motion study – Photograph M092
M151-2	492	Time and Motion study – Photograph T027
M151-3	492	Time and Motion study – Photograph S149

TABLE 5.3-I.- ACTIVITY METABOLIC RATES - Continued

M171	559	Metabolic Activity
M171-O	540	Metabolic Activity - observer
M171-S	559	Metabolic activity - ergometer exercise, subject
M172	508	Body Mass Measurement
M415	492	Thermal control coatings
M479	492	Zero Gravity Flammability
M4791A	492	Zero Gravity Flammability - 3 test cycles of undisturbed burning
M4791B	492	Zero Gravity Flammability - 9 test cycles of undisturbed burning
M479-2	492	Zero Gravity Flammability - 6 test cycles with vacuum quench
M479-3	492	Zero Gravity Flammability - 6 test cycles with water spray quench
M479-4	492	Zero Gravity Flammability - 6 test cycles of undisturbed burning
M479-5	492	Zero Gravity Flammability - 7 test cycles of varying material gap distances
M479ST	700	Zero Gravity Flammability - stowage
M479SU	700	Zero Gravity Flammability - set up experiment
M487-1	600	Habitability/Crew Quarters - OWS environment data
M487-2	419	Habitability/Crew Quarters - OWS internal architecture data
M487-3	600	Habitability/Crew Quarters - OWS mobility aids and restraints data
M487-4	600	Habitability/Crew Quarters - Adequacy of food and water data
M487-5	700	Habitability/Crew Quarters - Garments and personal accounterments data
M487-6	700	Habitability/Crew Quarters - Personal hygiene data
M487-7	700	Habitability/Crew Quarters - OWS housekeeping data
M487-8	600	Habitability/Crew Quarters - OWS communications data

TABLE 5.3-I.- ACTIVITY METABOLIC RATES - Continued

M487-9	700	Habitability/Crew Quarters - OWS off-duty activity provisions data
M509	600	Astronaut Maneuvering Equipment
M509SU	700	Astronaut Maneuvering Equipment - set up
M509I0	585	Astronaut Maneuvering Equipment - observer for FO1
M509IS	600	Astronaut Maneuvering Equipment - AMRV modes - 50 minutes
M50920	585	Astronaut Maneuvering Equipment - observer for FO2
M50922S	600	Astronaut Maneuvering Equipment - AMRV modes - 1 hr 10 min.
M50930	585	Astronaut Maneuvering Equipment - observer for FO3
M50935	600	Astronaut Maneuvering Equipment - Suited mode - 1 hr 20 min.
M509I0	585	Astronaut Maneuvering Equipment - observer for FO4
M509IS	600	Astronaut Maneuvering Equipment - supplement mode - 1 hour
M512	492	Materials Processing in Space
M512-1	492	Materials Processing in space - Metals Metaling
M512-2	492	Materials processing in space - sphere forming
M512-3	492	Materials processing in space - exothermic heating
M512-4	492	Materials processing in space - composite casting
M512-5	492	Materials processing in space - single crystals
M512ST	700	Materials processing in space - stowage
M512SU	700	Materials processing in space- set up experiment
S009-1	500	Nuclear Emulsion
S009ST	600	Nuclear Emulsion - stowage
S009SU	600	Nuclear Emulsion - set up
S015	500	Zero Gravity Single Human Cells
S015 -1	500	Zero gravity single human cells - cytochemical experiment subsystem
S015-2	440	Zero gravity single human cells - microscopic camera subsystem

TABLE 5.3-I.- ACTIVITY METABOLIC RATES - Continued

S015ST	500	Zero gravity single human cells - stowage
S015SU	500	Zero gravity single human cells - set up
S019	500	UV Stellar Astronomy
S019-1	500	UV stellar astronomy - photography
S019-2	500	UV stellar astronomy - starfield photography
S019-3	500	UV stellar astronomy - starfield photography
S019ST	600	UV stellar astronomy - stowage
S019SU	600	UV stellar astronomy - set up
S020-1	492	UV/X-ray solar photography - Quiet sun photography
S020-2	492	UV/X-ray solar photography - active sun photography
S020PT	559	UV/X-ray solar photography
S020ST	600	UV/X-ray solar photography - stowage
S020SU	600	UV/X-ray solar photography - set up
S052	500	HAO White Light Coronograph
S054	500	X-ray spectrographic telescope
S055A	500	UV Scanning Polychromator Spectroheliometer
S056	500	X-ray telescope
S061	419	Potato Respiration
S061ST	500	Potato respiration - stowage
S063	500	UV Airglow Horizon Photography
S063ST	600	UV Airglow Horizon Photography - stow
S063SU	600	UV airglow horizon photography - set up
S073-1	521	Gegenschien/Zodiacal Light - Phase A photometer data scans
S073-2	521	Gegenschien/Zodiacal Light - Phase B
S073-3	521	Gegenschien/Zodiacal Light - Phase C
S073-4	559	Gegenschien/Zodiacal Light - Phase D
S073-5	559	Gegenschien/Zodiacal Light - Phase E

TABLE 5.3-I.- ACTIVITY METABOLIC RATES - Continued

S073-6	559	Gegenschien/Zodiacal Light - Phase F
S073-7	559	Gegenschien/Zodiacal Light - Phase G
S073ST	600	Gegenschien/Zodiacal Light - stow
S073SU	600	Gegenschien/Zodiacal Light - set up
S082A	500	XUV Coronal Spectroheliograph
S082B	500	XUV Chromospheric spectrograph
S149-1	419	Particle collection - mission micrometeriorite impact detection cassettes
S149-2	419	Particle collection - storage - micrometeriorite impact detection cassettes
S149ST	700	Particle collection - stow
S149SU	700	Particle collection - set up
S150	419	X-ray astronomy - Galactic X-ray mapping
S183	500	Ultraviolet panorama
S183-1	500	Ultraviolet Panorama - UV starfield photography on orbit 1
S183-2	500	Ultraviolet Panorama - UV starfield photography on orbit 2
S183-3	500	Ultraviolet Panorama - UV starfield photography on orbit 3
S183-4	500	Ultraviolet Panorama - UV starfield photography on orbit 4
S183-5	500	Ultraviolet Panorama - UV starfield photography on orbit 5
S183-6	500	Ultraviolet Panorama - UV starfield photography on orbit 6
S183ST	700	Ultraviolet Panorama - stow
S183SU	700	Ultraviolet Panorama - set up
S190	500	Multispectral photographic facility
S191-1	500	Infrared spectrometer - Calibrated absolute spectral data
S191-2	500	Infrared spectrometer - Man-in-the-loop performance evaluation
S191-3	500	Infrared spectrometer - On-board crew aids evaluation
S192-1	500	10 Band Multispectral scanner - selected populated areas
S192-2	500	10 Band multispectral scanner - vegetation mapping, crop identification, soil measurement

TABLE 5.3-I.- ACTIVITY METABOLIC RATES - Continued

S192-3	500	10 Band Multispectral scanner - water sites contamination and surface temperature mapping
S192-4	500	10 Band multispectral scanner - sensor data returns and atmospheric attenuation effects
S193	500	Microwave radiometer/scatterometer and altimeter
S194-1	500	L-Band radiometer - Measurement of surface brightness temperatures and corrections of atmospheric attenuation
S194-2	500	L-Band radiometer - storm and hurricane areas
ESE	419	EREP experiments support equipment
HA1	419	Hydrogen-Alpha telescope one
HA2	419	Hydrogen-Alpha telescope two
T002	440	Manual navigation sightings
T003-1	440	Inflight aerosal analysis - aerosal analyser at locations CS-11, 10, 1B, 11, 15, 16, 12
T003-2	440	Inflight aerosal analysis - aerosal analyser at CS10, 1B, 11
T003-3	440	Inflight aerosal analysis - aerosal analyser at CS15, 16, 12
T003-4	440	Inflight aerosal analysis - aerosal analyser at 10 varied locations
T003ST	600	Inflight aerosal analysis - stow
T013-0	540	Crew vehicle disturbances - APCS
T013-1	700	Crew vehicle disturbances - Body movements using LIMS and FMS
T018-1	419	Precision Optical Tracking - SL-2 tracking using POTS
T018-2	419	Precision Optical Tracking - POTS tracking accuracy
T02010	500	Foot controlled maneuvering unit - observer of F01
T0201S	540	Foot controlled maneuvering unit - FCMU Mode I subject
T02020	500	Foot controlled maneuvering unit - observer of F02
T02025	540	Foot controlled maneuvering unit - FCMU suited mode II subject
T025BC	508	Coronagraph contamination measurements bias check
T025ST	700	Coronagraph contamination measurements - stow
T025SU	700	Coronagraph contamination measurements - set up

TABLE 5.3-I.- ACTIVITY METABOLIC RATES - Concluded

T025-1	521	Coronagraph contamination measurements - minimum contamination period
T025-2	521	Coronagraph contamination measurements - waste dump period.
T025-3	521	Coronagraph contamination measurements - water dump period
T025-4	521	Coronagraph contamination measurements - thruster firing period
T025-5	521	Coronagraph contamination measurements - contamination from 2 or more sources
T027	600	Contamination measurement
T027-1	600	Contamination measurement - sample array
T027-2	600	Contamination measurement - photometer scans from solar SAL
T027-3	600	Contamination measurement - photometer scans from anti-solar SAL
T027ST	700	Contamination measurement - stow
T027SU	700	Contamination measurement - setup

Detailed activation and deactivation procedures not defined in the SL-3 and SL-4 summary flight plans are considered as they were in reference 35.

5.5 Molecular Sieve Operation

5.5.1 Consumables requirements.- The molecular sieve system contains two sorbent canisters and a charcoal canister. Water and carbon dioxide are removed by the sorbent canisters. Odor is removed by the charcoal. During the normal operation of a molecular sieve system, each sorbent canister operates on a 15-minute half cycle, alternately absorbing carbon dioxide and water from 15 lb/hr of cabin gas flow and then desorbing by vacuum. The gas lost overboard during molecular sieve regeneration is treated as leakage. Regeneration requires 2.612 lb/day oxygen and a 0.86 lb/day leakage for nitrogen. This updated consumption is based on the operation of one molecular sieve system and on maximum gas loss rates measured during development tests with a 25-percent margin applied (ref. 7). Additionally, the gas selector valves are cycled automatically by the pneumatic valves and by solenoid valve selector switches. This valve actuation requires that 0.70 lb/day of high pressure nitrogen be vented into the cabin for an automatic switch of the sorbent canisters. The system requires a flow rate of 2 lb/hr for approximately 8 seconds every 15 minutes of operation (ref. 7).

5.5.2 Bakeout.- The sorbent canisters can be baked out electrically when required. The molecular sieve canisters will be baked out when the cabin carbon dioxide partial pressure corrected reading is 6.0 mm Hg after a verification checkout. Molecular sieve bakeout is performed approximately every 28 days of habitation. The molecular sieve beds are baked out sequentially. Each bed requires 5 hours for bakeout followed by a 12-hour cooldown period. Each bed is unusable for 8 hours (5 hr for bakeout and the first 3 hr of cooldown).

5.6 Water Distribution System

The water management subsystem (WMS) provides 10 water tanks of 671-pound capacity each to satisfy the workshop habitability requirements for storage and for distribution of water for drinking, food preparation, personal hygiene, waste management, and general housekeeping purposes. The WMS uses two separate dispensing systems. The dispensing system for the wardroom dispenses water for food reconstitution, beverage preparation, and supplementary drinking. The water usage rate for these metabolic requirements is 5.4 lb/man-day. An additional 2.6 lb/man-day is allowed for metabolic dispersions. The dispensing system for the waste management compartment (WMC) provides 2.0 pounds of water per day for systems housekeeping and 2.8 lb/day for personal hygiene.

The water management subsystem tank allocation is as follows:

Wardroom usage order	Tank 1
	Tank 10
	Tank 2
	Tank 3
	Tank 4
	Tank 9
WMC (head) usage order	Tank 6
	Tank 7
Contingency usage	Tank 5
	Tank 8

A wardroom tank and a WMC tank is used until the 71-pound trapped quantity is reached. The nitrogen requirement for water tank pressurization is 0.00472 pound per pound of water used, or a total nitrogen usage of 28.3 pounds if the total available water were to be depleted. No allowance is made for initial pressurization of the lines since GSE will provide this function.

The WMS also includes biocide dispensing and monitoring equipment for maintaining microbial control. Water system bacteriological cleansing is accomplished with a portable water tank of 27 pounds maximum capacity. The tank is filled with high iodine content (100 ppm) water and is used during each revisitation activation to sterilize the dispensers and water distribution networks. The portable water tank is refillable from the water supply. It is used throughout the mission for varied housekeeping and metabolic tasks. The portable water tank is assumed to be refilled approximately every 28 days.

Water system blowdown is required at mission termination to evacuate water from the lines. This procedure prevents possible freezing and bacteriological buildup. Wardroom capacity is 15.0 pounds and WMC (head) capacity is 7.5 pounds, thus requiring a 22.5-pound water dump for blowdown.

Another microbial control provision is to monitor the iodine concentration in each of the ten water tanks. An iodine check sample of 0.34-cubic inch volume is drawn from the tanks at TBD day intervals during manned operation. This results in a 0.1226-pound water consumption every TBD days. (A 14-day interval was used for this budget.)

During the manned portion of the mission, water is also required for the third functional objective of experiment M479, for life support umbilical (LSU) reservicing, and for the command module portable bottle return.

The Skylab water budget is presented in table 5.0-II for the nominal usage. Table 5.0-III shows the budget that includes the dispersion considered for the metabolic usage. Figure 7 depicts the cumulative water usage; figure 8 shows the depletion profile from the metabolic tanks (tanks no. 1, 10, 2, 3, 4, 9, 5, and 8); and, last, figure 9 gives the depletion profile from the WMC tank (tanks no. 6 and 7). As figures 7 through 9 illustrate, water is drawn from each tank to depletion, at which time water is used from the next tank according to the sequence already specified. Note from figure 8 that at the completion of SL-1/2 the remaining quantity of water in metabolic tank number 1 is 117 pounds, of which only 46 pounds are usable. As far as the budget is concerned, the 46 pounds are used for startup activities at the beginning of the SL-3 mission, assuming that is, that the iodine level during orbital storage is adequate to prevent bacteriological growth and maintain the integrity of the water.

5.7 Extravehicular Activity

For extravehicular activity (EVA), manually operated valves in the lock compartment wall and in the forward and aft hatches permit depressurization of the AM lock compartment and repressurization from AM/MDA/OWS atmospheres. The minimum time required to depressurize the lock from 5.0 to 0.15 psia is 120 seconds. The minimum time required to pressurize the lock from 0 to 4.95 psia is 24 seconds.

Extravehicular activity is scheduled for a maximum of 3 hours from egress start to egress completion. One 3-hour EVA is planned on day 26 of SL-2 for D021/D024 and ATM film removal. Three ATM EVA are scheduled on SL-3 (days 5, 29, and 55) and two on SL-4 (days 3 and 54). Two crewmen will be fully suited for each EVA. The third crewman will be located forward of the airlock and will perform monitoring and systems housekeeping as required. Oxygen flow rate during EVA activities is 9 lb/man-hr.

Water reservicing of EVA equipment will depend upon the launch configuration. At present, the following equipment will be launched charged:

   a. Two life support umbilicals (LSU) in the AM sphere

   b. Two pressure control units (PCU) and two secondary oxygen packages (SOP) in the CM

   c. All liquid-cooled garments (LCG)

The following will be launched uncharged:

    a.   Two PCU in the OWS

    b.   Six LSU in the OWS

The two PCU launched dry in the OWS are for backup only and hope-fully will never be used. Nevertheless, maximum charge should not exceed 50 cc of water.

Before each mission evacuation, the uncharged LSU will each be filled with 5.8 pounds of water and will be stowed in the AM spheres. The two LSU used on the prior mission will be dumped overboard through the AM and then be stowed in the OWS.

The LCG should not require more than 50 cc of makeup at initial use. The water would be obtained from the LSU. A new LCG will probably be used prior to each EVA.

      5.8 Cabin Pressure Regulator and Pressure Relief Valve

The cabin pressure regulator maintains the total cabin pressure at 5.0 ± 0.2 psia. Figure 10 (ref. 7) shows the results of development tests of regulator flow capability versus cabin pressure.

The oxygen partial pressure is maintained at 3.7 ± 0.2 psi. Oxygen will flow through the valve if the partial pressure is below 3.6 psi and the total pressure is below 5.2 psi; on the other hand, nitrogen will flow if the oxygen partial pressure is above 3.8 psi and the total pres-sure is below 5.2 psia. As long as the total pressure is below 5.2 psia, the oxygen will subsequently flow until its partial pressure is above 3.8 psi. Likewise, nitrogen will continue to flow each time the total pressure falls below 5.2 psia until the oxygen partial pressure falls below 3.6 psi.

The cabin pressure relief valves limit the total pressure to a maxi-mum of 6 psid. Three valve assemblies, with each of two parts capable of venting 3.89 lb/min at full throttle, will automatically crack above 5.5 psid total pressure and will close again when below 5.5 psid. They operate as quick-acting reversible systems.

6.0 MASS PROPERTIES SUMMARY

Table 6.0-I presents the ECS consumables depletion (oxygen, nitrogen, and water) throughout SL-1/2, SL-3, and SL-4 for use in Skylab mission mass properties weight loss determination. The water quantities present the total amount remaining, as well as the amount remaining in the designated wardroom and WMC tank. Partial pressures were included to accurately demonstrate the effects of all Skylab experiments upon the OAM atmosphere.

TABLE 6.0-I.- ECS MASS PROPERTIES SUMMARY - SKYLAB 2

TIME	ASTRO1	ASTRO 2	ASTRO 3	O2 TANK	N2 TANK	MET-EXP H2O TANK	WMC H2O TANK	TOTAL H2O TNKS	O2 PP	N2 PP
-23.50	1-DUMMY	1-DUMMY	1-DUMMY	5611.0	1510.8	1 .0	1 .0	.0	.00	1.30
-22.40	1-DUMMY	1-DUMMY	1-DUMMY	5611.0	1510.8	1 671.0	6 670.8	6709.8	.00	1.30
-13.35	1-DUMMY	1-DUMMY	1-DUMMY	5409.7	1510.8	1 671.0	6 670.8	6709.8	3.70	1.29
-12.25	1-DUMMY	1-DUMMY	1-DUMMY	5409.7	1510.8	1 671.0	6 670.8	6709.8	3.70	1.29
.00	1-LAUNCH	1-LAUNCH	1-LAUNCH	5374.3	1510.8	1 671.0	6 670.8	6709.8	3.67	1.28
.20	1-SEP	1-SEP	1-SEP	5374.3	1510.8	1 671.0	6 670.8	6709.8	3.67	1.28
.66	1-PS2IMU	1-PS2IMU	1-PS2IMU	5374.3	1510.8	1 671.0	6 670.8	6709.8	3.66	1.28
1.00	1-MNVR	1-MNVR	1-MNVR	5374.3	1510.8	1 671.0	6 670.8	6709.8	3.66	1.28
8.00	1-DOCK	1-DOCK	1-DOCK	5374.3	1510.8	1 671.0	6 670.8	6709.8	3.64	1.27
8.50	1-EAT	1-EAT	1-EAT	5371.2	1509.9	1 671.0	6 670.8	6709.8	3.64	1.27
9.50	1-MO71	1-MO71	1-MO71	5371.2	1509.9	1 671.0	6 670.8	6709.8	3.64	1.27
9.80	1-CSMMDA	1-CSMMDA	1-CSMMDA	5371.2	1509.9	1 671.0	6 670.8	6709.8	3.64	1.27
9.90	1-HATCH1	1-HATCH1	1-HATCH1	5371.2	1509.9	1 671.0	6 670.8	6709.8	3.64	1.27
10.00	1-LIGHTS	1-LIGHTS	1-LIGHTS	5371.2	1509.8	1 671.0	6 670.8	6709.8	3.64	1.27
10.20	2-MOL-S	1-MOAVNT	1-CSMMDA	5371.2	1509.6	1 671.0	6 670.8	6709.8	3.64	1.27
10.30	1-EPS	1-MOAVNT	1-CSMMDA	5371.2	1509.6	1 671.0	6 670.8	6709.8	3.64	1.27
10.40	1-LIGHTS	2-STSACT	1-CSMMDA	5371.2	1509.5	1 671.0	6 670.8	6709.8	3.64	1.27
10.50	2-CSMPWR	2-ENTRY	1-CSMMDA	5371.2	1509.4	1 671.0	6 670.8	6709.8	3.64	1.27
10.70	2-C/W	2-DUCT	1-CSMMDA	5371.2	1509.3	1 671.0	6 670.8	6709.8	3.64	1.27
10.90	2-ENTRY	2-DUCT	1-CSMPWR	5371.2	1509.2	1 671.0	6 670.8	6709.8	3.63	1.27
11.20	2-MOL-S	2-HATCH2	1-ATMACT	5371.2	1509.0	1 671.0	6 670.8	6709.8	3.63	1.27
11.30	2-O2/N2	2-AMAFT	1-OPEN	5371.2	1508.9	1 671.0	6 670.8	6709.8	3.63	1.27
11.50	2-MOL-S	2-DUCT	1-OPEN	5371.2	1508.7	1 671.0	6 670.8	6709.8	3.66	1.25
11.60	2-ATMACT	2-HATCH2	1-PS2IMU	5371.2	1508.6	1 671.0	6 670.8	6709.8	3.66	1.25
11.80	2-ATMACT	4-FANS	1-PS1IMU	5371.2	1508.5	1 671.0	6 670.8	6709.8	3.66	1.25
11.90	2-ATMACT	4-AM/OWS	1-PS1IMU	5371.2	1508.4	1 671.0	6 670.8	6709.8	3.66	1.26
12.00	2-ATMACT	4-HATCH2	1-MNVR	5371.2	1508.3	1 671.0	6 670.8	6709.8	3.66	1.26
12.20	4-ACTIV2	4-AM/OWS	4-AM/OWS	5371.2	1508.1	1 671.0	6 670.8	6709.8	3.65	1.26
12.40	4-TCS	4-DUCT	4-AMFLOW	5371.2	1508.0	1 671.0	6 670.8	6709.8	3.65	1.26
12.70	4-C/W	4-C/W	4-C/W	5371.2	1507.7	1 671.0	6 670.8	6709.8	3.65	1.26
12.80	4-URINE	4-WMS	4-H2OACT	5371.2	1507.6	1 671.0	6 670.8	6709.8	3.65	1.27
13.00	4-FOOD	4-WMS	4-H2OACT	5371.2	1507.5	1 671.0	6 670.8	6709.8	3.64	1.27
13.10	4-FOOD	4-REFRIG	4-WSBACT	5371.2	1507.4	1 671.0	6 670.8	6709.8	3.64	1.27
13.30	4-DECOND	4-H2OACT	4-PORH2O	5371.2	1507.2	1 644.0	6 670.8	6682.8	3.64	1.27
13.50	4-EAT	4-EAT	4-EAT	5371.2	1506.9	1 616.9	6 670.8	6655.7	3.64	1.27
14.50	4-MO71	4-MO71	4-MO71	5371.2	1506.1	1 616.2	6 670.8	6655.0	3.63	1.29
15.00	4-SLEEP	4-SLEEP	4-SLEEP	5371.2	1505.7	1 615.9	6 670.8	6654.7	3.62	1.29
23.00	4-PH	4-PH	4-PH	5366.4	1503.7	1 610.5	6 670.8	6649.3	3.61	1.30
23.50	4-EAT	4-EAT	4-EAT	5366.0	1503.7	1 610.1	6 669.9	6648.0	3.61	1.30
24.50	4-MO71	4-MO71	4-MO71	5365.2	1503.6	1 609.4	6 669.9	6647.1	3.61	1.30
25.00	4-CHECK	4-COND	4-CSMPWR	5364.8	1503.6	1 609.1	6 669.9	6647.0	3.61	1.30
25.30	4-ATM/AM	4-LAUNCH	4-CSMPWR	5364.6	1503.6	1 608.9	6 669.9	6646.8	3.61	1.30
25.60	4-OWSTRN	4-TRASH	4-OWSTRN	5364.3	1503.6	1 608.7	6 669.9	6646.6	3.61	1.29
26.00	4-OWSTRN	4-FANS	4-OWSTRN	5364.0	1503.6	1 608.4	6 669.9	6646.3	3.61	1.29
26.50	4-SO52	4-EXPPRP	4-SYS-MK	5363.6	1503.6	1 608.1	6 669.9	6646.0	3.61	1.29
26.70	4-SO54	4-EXPPRP	4-SYS-MK	5363.4	1503.6	1 608.0	6 669.6	6645.7	3.61	1.29
27.00	4-SO55A	4-EXPPRP	4-SYS-MK	5363.1	1503.6	1 607.8	6 669.6	6645.4	3.61	1.29
27.90	4-SO55A	4-MI72	4-SYS-MK	5362.4	1503.5	1 607.1	6 669.2	6644.4	3.61	1.29
28.00	4-SO55A	4-MO74	4-SYS-MK	5362.3	1503.5	1 607.1	6 669.2	6644.3	3.61	1.29
28.50	4-EAT	4-EAT	4-EAT	5361.9	1503.5	1 606.7	6 669.0	6643.7	3.61	1.29

TABLE 6.0-I. – Continued.

TIME	ASTRO1	ASTRO 2	ASTRO 3	O2 TANK	N2 TANK	MET-EXP H2O TANK	WMC H2O TANK	TOTAL H2O TNKS	O2 PP	N2 PP
29.50	4-M071	4-M071	4-M071	5361.0	1503.5	1 606.1	6 669.0	6643.0	3.61	1.29
30.00	4-PH	4-PH	4-PH	5360.6	1503.5	1 605.7	6 669.0	6642.7	3.61	1.28
30.50	4-T003-1	2-ATM-CK	4-S073SU	5360.2	1503.4	1 605.4	6 668.0	6641.4	3.61	1.28
31.25	4-SYS-HK	2-ATM-CK	4-OPEN	5359.6	1503.4	1 604.9	6 668.0	6640.9	3.62	1.28
31.90	4-M092-S	2-ATM-CK	4-M092-0	5359.0	1503.4	1 604.4	6 667.8	6640.2	3.62	1.28
33.00	4-M171-S	2-ATM-CK	4-M171-0	5358.0	1503.3	1 603.7	6 667.8	6639.5	3.60	1.27
34.00	4-EAT	4-EAT	4-EAT	5357.2	1503.2	1 603.0	6 667.8	6638.8	3.61	1.27
35.00	4-M071	4-M071	4-M071	5356.3	1503.1	1 602.4	6 667.8	6638.1	3.61	1.27
35.25	2-ATM-CK	4-PLN	4-PLN	5356.1	1503.1	1 602.2	6 667.8	6637.9	3.61	1.27
36.25	2-ATM-CK	4-R-R	4-R-R	5355.2	1503.1	1 601.5	6 667.8	6637.3	3.61	1.27
37.25	4-PH	4-PH	4-PH	5354.1	1503.1	1 600.8	6 667.8	6636.6	3.61	1.26
37.75	4-M071	4-M071	4-M071	5353.8	1503.0	1 600.5	6 666.8	6635.3	3.61	1.26
38.00	4-SLEEP	4-SLEEP	4-SLEEP	5353.6	1503.0	1 600.3	6 666.8	6635.2	3.61	1.26
46.00	4-PH	4-PH	4-PH	5346.5	1502.8	1 594.9	6 666.8	6629.8	3.64	1.24
46.50	4-EAT	4-EAT	4-EAT	5346.1	1502.7	1 594.6	6 665.9	6628.5	3.64	1.24
47.50	4-M071	4-M071	4-M071	5345.2	1502.7	1 593.9	6 665.9	6627.8	3.64	1.24
48.00	2-ATM	4-SYS-HK	4-S073-2	5344.8	1502.7	1 593.6	6 665.9	6627.5	3.64	1.24
48.25	2-ATM	4-SYS-HK	4-OPEN	5344.5	1502.7	1 593.4	6 665.8	6627.2	3.64	1.24
49.75	2-ATM	4-M092-S	4-M092-0	5343.2	1502.6	1 592.4	6 665.1	6625.5	3.64	1.24
51.00	2-ATM	4-M171-S	4-M171-0	5342.1	1502.5	1 591.6	6 665.1	6624.7	3.63	1.23
52.00	4-EAT	4-EAT	2-EAT	5341.2	1502.4	1 590.9	6 665.1	6624.0	3.64	1.23
53.00	4-M071	4-M071	4-M071	5340.2	1502.4	1 590.2	6 665.1	6623.3	3.64	1.23
53.50	4-SYS-HK	2-ATM	4-PH	5339.8	1502.3	1 589.9	6 665.1	6623.0	3.64	1.22
54.00	4-SYS-HK	2-ATM	4-S073-2	5339.3	1502.3	1 589.5	6 664.6	6622.1	3.64	1.22
54.25	4-SYS-HK	2-ATM	2-SYS-HK	5339.1	1502.3	1 589.4	6 664.5	6621.8	3.64	1.22
54.75	4-PH	2-ATM	2-SYS-HK	5338.6	1502.3	1 589.0	6 664.0	6621.0	3.64	1.22
55.25	2-ATM	4-PH	2-SYS-HK	5338.2	1502.3	1 588.7	6 663.5	6620.2	3.64	1.22
56.00	2-ATM	4-M092-0	4-M092-S	5337.5	1502.3	1 588.2	6 662.7	6618.9	3.65	1.22
57.00	2-ATM	4-M171-0	4-M171-S	5336.6	1502.1	1 587.5	6 662.7	6618.2	3.64	1.21
58.00	4-EAT	4-EAT	4-EAT	5335.6	1502.0	1 586.8	6 662.7	6617.5	3.64	1.21
59.00	4-M071	4-M071	4-M071	5334.7	1502.0	1 586.2	6 662.7	6616.8	3.64	1.21
59.25	2-ATM	4-PLN	4-PLN	5334.4	1502.0	1 586.0	6 662.7	6616.7	3.64	1.21
60.25	2-ATM	4-R-R	4-R-R	5333.5	1502.0	1 585.3	6 662.7	6616.0	3.64	1.21
61.25	4-PH	4-PH	4-PH	5332.5	1501.9	1 584.6	6 662.7	6615.3	3.65	1.21
61.50	4-PH	4-PH	4-S073-2	5332.3	1501.9	1 584.5	6 662.2	6614.7	3.65	1.21
61.75	4-M071	4-M071	4-M071	5332.1	1501.9	1 584.3	6 661.9	6614.2	3.65	1.20
62.00	4-SLEEP	4-SLEEP	4-SLEEPM	5331.8	1501.9	1 584.1	6 661.9	6614.0	3.65	1.20
70.00	4-PH	4-PH	4-PH	5324.4	1501.6	1 578.7	6 661.9	6608.6	3.68	1.19
70.50	4-EAT	4-EAT	4-EAT	5324.0	1501.6	1 578.4	6 661.0	6607.4	3.68	1.18
71.50	4-M071	4-M071	4-M071	5323.0	1501.6	1 577.7	6 661.0	6606.7	3.68	1.18
72.00	4-M512	4-S015	4-S009-1	5322.6	1501.6	1 577.4	6 661.0	6606.4	3.68	1.18
72.25	4-M512-1	4-SYS-HK	4-S009-2	5322.3	1501.6	1 577.2	6 661.0	6606.2	3.68	1.18
72.50	4-M512	4-SYS-HK	4-S073-2	5322.1	1501.5	1 577.0	6 660.9	6605.9	3.68	1.18
72.75	4-M512-1	4-SYS-HK	2-ATM	5321.9	1501.5	1 576.9	6 660.8	6605.6	3.68	1.18
73.00	4-M512	4-S015	2-ATM	5321.7	1501.5	1 576.7	6 660.6	6605.3	3.68	1.18
73.25	4-M512-1	4-SYS-HK	2-ATM	5321.4	1501.5	1 576.5	6 660.6	6605.2	3.68	1.18
74.25	4-M512	4-S015	2-ATM	5320.5	1501.5	1 575.9	6 660.2	6604.1	3.68	1.18
74.50	2-ATM	4-OPEN	2-ATM	5320.3	1501.5	1 575.7	6 660.2	6603.9	3.69	1.18
74.75	2-ATM	4-M131AS	4-M131A0	5320.0	1501.5	1 575.5	6 660.2	6603.7	3.69	1.17
75.33	2-ATM	4-M131A0	4-M131AS	5319.6	1501.4	1 575.1	6 660.2	6603.3	3.69	1.17

TABLE 6.0-I.- Continued.

TIME	ASTRO1	ASTRO 2	ASTRO 3	O2 TANK	N2 TANK	MET-EXP H2O TANK	WMC H2O TANK	TOTAL H2O TNKS	O2 PP	N2 PP
76.00	2-EAT	4-EAT	4-EAT	5318.9	1501.4	1 574.7	6 660.2	6602.9	3.69	1.17
77.00	2-MO71	4-MO71	4-MO71	5318.0	1501.4	1 574.0	6 660.2	6602.2	3.69	1.17
77.50	4-PH	2-ATM	4-PH	5317.5	1501.4	1 573.7	6 660.2	6601.9	3.69	1.17
78.00	4-SYS-HK	2-ATM	4-SO73ST	5317.0	1501.4	1 573.3	6 659.6	6600.9	3.69	1.17
78.75	4-MS09SU	2-ATM	2-SYS-HK	5316.4	1501.3	1 572.8	6 659.2	6600.1	3.69	1.17
79.75	4-MS0910	4-MS09	2-ATM	5315.4	1501.3	1 572.1	6 658.8	6598.9	3.70	1.16
80.50	4-MS0910	4-MS091S	2-ATM	5314.7	1501.3	1 571.6	6 658.8	6598.4	3.70	1.16
81.33	2-ATM	4-PH	4-SO73SU	5314.3	1484.6	1 571.1	6 658.8	6597.9	3.69	1.45
82.00	4-ML	4-ML	4-ML	5314.1	1484.6	1 570.6	6 658.4	6597.0	3.69	1.45
83.00	4-MO71	4-MO71	4-MO71	5313.9	1484.6	1 570.0	6 658.4	6596.3	3.68	1.44
83.25	4-PLN	2-ATM	4-PLN	5313.8	1484.6	1 569.8	6 658.4	6596.2	3.68	1.44
84.25	4-R-R	2-ATM	4-R-R	5313.6	1484.5	1 569.1	6 658.4	6595.5	3.67	1.44
84.50	4-R-R	2-SYS-HK	4-R-R	5313.5	1484.5	1 568.9	6 658.4	6595.3	3.67	1.44
85.00	4-R-R	2-SYS-HK	4-SO73-2	5313.3	1484.5	1 568.6	6 658.2	6594.8	3.66	1.44
85.25	4-PH	4-PH	4-PH	5313.2	1484.5	1 568.4	6 658.1	6594.5	3.66	1.44
85.75	4-MO71	4-MO71	4-MO71	5313.1	1484.5	1 568.1	6 657.1	6593.2	3.66	1.44
86.00	4-SLEEP	4-SLEEP	4-SLEEP	5313.0	1484.5	1 567.9	6 657.1	6593.0	3.66	1.44
94.00	4-PH	4-PH	4-PH	5309.6	1484.2	1 562.5	6 657.1	6587.6	3.62	1.41
94.50	4-EAT	4-EAT	4-EAT	5309.3	1484.2	1 562.2	6 656.2	6586.4	3.62	1.41
95.50	4-MO71	4-MO71	4-MO71	5308.8	1484.2	1 561.5	6 656.2	6585.7	3.62	1.41
96.00	2-ATM	4-SYS-HK	4-SO73ST	5308.5	1484.2	1 561.2	6 656.2	6585.4	3.61	1.41
96.50	2-ATM	4-SYS-HK	4-TO27-1	5308.3	1484.1	1 560.8	6 656.0	6584.8	3.61	1.41
96.75	2-ATM	4-SYS-HK	4-OPEN	5308.1	1484.1	1 560.7	6 655.9	6584.5	3.61	1.41
97.00	2-ATM	4-M131BS	4-M131BO	5308.0	1484.1	1 560.5	6 655.7	6584.2	3.61	1.41
98.25	4-M131BS	2-ATM	4-M131BO	5307.3	1484.1	1 559.7	6 655.7	6583.4	3.61	1.40
99.10	4-M131BO	2-ATM	4-M131BS	5306.6	1484.1	1 559.1	6 655.7	6582.8	3.60	1.40
100.00	4-EAT	2-EAT	4-EAT	5306.2	1484.0	1 558.5	6 655.7	6582.2	3.60	1.40
101.00	4-MO71	2-MO71	4-MO71	5305.6	1484.0	1 557.8	6 655.7	6581.5	3.60	1.40
101.50	4-PH	2-ATM	4-PH	5305.3	1484.0	1 557.5	6 655.7	6581.2	3.60	1.39
102.00	4-SYS-HK	2-SYS-HK	2-ATM	5305.0	1484.0	1 557.1	6 655.1	6580.2	3.60	1.39
103.00	4-SYS-HK	4-PH	2-ATM	5304.4	1483.9	1 556.5	6 654.2	6578.7	3.59	1.39
103.75	4-M092-S	2-ATM	2-M092-0	5303.9	1483.9	1 555.9	6 653.4	6577.4	3.59	1.39
105.00	4-M171-S	2-ATM	2-M171-0	5303.0	1483.8	1 555.1	6 653.4	6576.5	3.58	1.38
106.00	4-EAT	4-EAT	4-EAT	5302.3	1483.7	1 554.4	6 653.4	6575.9	3.58	1.38
107.00	4-MO71	4-MO71	4-MO71	5301.6	1483.6	1 553.8	6 653.4	6575.2	3.58	1.38
107.25	4-PLN	4-PLN	2-ATM	5301.4	1483.6	1 553.6	6 653.4	6575.0	3.58	1.38
108.25	4-R-R	4-R-R	2-ATM	5300.7	1483.6	1 552.9	6 653.4	6574.3	3.58	1.37
109.25	4-PH	4-PH	4-PH	5300.0	1483.5	1 552.2	6 653.4	6573.7	3.58	1.37
109.75	4-MO71	4-MO71	4-MO71	5299.6	1483.5	1 551.9	6 652.5	6572.4	3.58	1.37
110.00	4-SLEEP	4-SLEEP	4-SLEEPM	5299.4	1483.5	1 551.7	6 652.5	6572.2	3.57	1.37
118.00	4-PH	4-PH	4-PH	5293.4	1483.3	1 546.3	6 652.5	6566.8	3.58	1.35
118.50	4-EAT	4-EAT	4-EAT	5293.0	1483.2	1 546.0	6 651.6	6565.6	3.58	1.35
119.50	4-MO71	4-MO71	4-MO71	5292.2	1483.2	1 545.3	6 651.6	6564.9	3.58	1.34
120.00	4-SYS-HK	2-ATM	4-OPEN	5291.8	1483.2	1 545.0	6 651.6	6564.5	3.58	1.34
120.50	4-M487-1	4-M487-1	4-M487-1	5291.5	1483.2	1 544.6	6 651.3	6564.0	3.58	1.34
120.75	4-SYS-HK	2-ATM	4-OPEN	5291.3	1483.2	1 544.5	6 651.3	6563.8	3.58	1.34
121.75	2-ATM	4-M092-S	4-M092-0	5290.5	1483.1	1 543.8	6 650.9	6562.7	3.58	1.34
123.00	2-ATM	4-M171-S	4-M171-0	5289.4	1483.0	1 543.0	6 650.9	6561.9	3.57	1.33
124.00	4-EAT	4-EAT	2-EAT	5288.6	1482.9	1 542.3	6 650.9	6561.2	3.57	1.33
125.00	4-MO71	4-MO71	4-MO71	5287.8	1482.9	1 541.6	6 650.9	6560.5	3.57	1.33

TABLE 6.0-I.- Continued.

TIME	ASTRO1	ASTRO 2	ASTRO 3	O2 TANK	N2 TANK	MET-EXP H2O TANK	WMC H2O TANK	TOTAL H2O TNKS	O2 PP	N2 PP
125.50	4-PH	2-ATM	4-PH	5287.4	1482.8	1 541.3	6 650.9	6560.2	3.57	1.33
126.00	2-SYS-HK	2-ATM	4-SYS-HK	5286.9	1482.8	1 540.9	6 650.3	6559.2	3.57	1.33
127.25	2-ATM	4-PH	4-SYS-HK	5285.9	1482.8	1 540.1	6 649.2	6557.2	3.58	1.32
128.00	2-ATM	4-M092-O	4-M092-S	5285.3	1482.7	1 539.6	6 648.4	6555.9	3.58	1.32
129.00	2-ATM	4-M171-O	4-M171-S	5284.4	1482.6	1 538.9	6 648.4	6555.3	3.57	1.32
130.00	4-EAT	4-EAT	4-EAT	5283.5	1482.5	1 538.2	6 648.4	6554.6	3.57	1.31
131.00	4-M071	4-M071	4-M071	5282.6	1482.5	1 537.6	6 648.4	6553.9	3.57	1.31
131.25	2-ATM	4-PLN	4-PLN	5282.4	1482.5	1 537.4	6 648.4	6553.7	3.57	1.31
132.25	2-ATM	4-R-R	4-R-R	5281.6	1482.4	1 536.7	6 648.4	6553.1	3.57	1.31
133.25	4-PH	4-PH	4-PH	5280.6	1482.4	1 536.0	6 648.4	6552.4	3.57	1.31
133.75	4-M071	4-M071	4-M071	5280.2	1482.4	1 535.7	6 647.4	6551.1	3.57	1.31
134.00	4-SLEEP	4-SLEEP	4-SLEEPM	5280.0	1482.4	1 535.5	6 647.4	6551.0	3.57	1.30
142.00	4-PH	4-PH	4-PH	5272.9	1482.1	1 530.1	6 647.4	6545.6	3.60	1.28
142.50	4-EAT	4-EAT	4-EAT	5272.5	1482.1	1 529.8	6 646.5	6544.3	3.60	1.28
143.50	4-M071	4-M071	4-M071	5271.6	1482.1	1 529.1	6 646.5	6543.6	3.60	1.28
144.00	4-M512-2	2-ATM	4-SYS-HK	5271.2	1482.0	1 528.8	6 646.5	6543.3	3.60	1.28
146.00	4-T013-1	2-ATM	4-T013-1	5269.4	1482.0	1 527.4	6 645.6	6541.0	3.60	1.27
146.25	4-T013-1	4-T013-1	4-T013-1	5269.1	1482.0	1 527.3	6 645.6	6540.9	3.60	1.27
146.75	4-T013-1	2-ATM	4-OPEN	5268.7	1482.0	1 526.9	6 645.6	6540.5	3.60	1.27
147.00	4-SYS-HK	2-ATM	4-OPEN	5268.5	1481.9	1 526.8	6 645.6	6540.4	3.60	1.27
148.00	2-EAT	4-EAT	4-EAT	5267.6	1481.9	1 526.1	6 645.2	6539.2	3.60	1.27
149.00	4-M071	4-M071	4-M071	5266.6	1481.9	1 525.4	6 645.2	6538.6	3.60	1.27
149.50	2-ATM	4-PH	4-PH	5266.2	1481.9	1 525.1	6 645.2	6538.2	3.60	1.26
150.00	4-PH	4-SYS-HK	2-ATM	5265.7	1481.8	1 524.7	6 644.5	6537.3	3.61	1.26
150.50	4-SYS-HK	4-SYS-HK	2-ATM	5265.3	1481.8	1 524.4	6 644.0	6536.4	3.61	1.26
151.00	4-SYS-HK	4-D008-1	2-ATM	5264.8	1481.8	1 524.1	6 643.6	6535.6	3.61	1.26
151.50	4-M512-3	4-D008-1	2-ATM	5264.4	1481.8	1 523.7	6 643.3	6535.1	3.61	1.26
152.00	4-M512-3	4-D008-2	2-ATM	5263.9	1481.8	1 523.4	6 643.3	6534.7	3.61	1.26
153.25	4-M487-2	4-M487-2	4-M487-2	5262.8	1481.7	1 522.5	6 643.3	6533.9	3.61	1.25
154.00	4-EAT	4-EAT	4-EAT	5262.1	1481.7	1 522.0	6 643.3	6533.4	3.61	1.25
155.00	4-M071	4-M071	4-M071	5261.2	1481.7	1 521.4	6 643.3	6532.7	3.62	1.25
155.25	4-PLN	2-ATM	4-PLN	5261.0	1481.7	1 521.2	6 643.3	6532.5	3.62	1.25
156.25	4-R-R	2-ATM	4-R-R	5260.0	1481.6	1 520.5	6 643.3	6531.9	3.62	1.25
157.25	4-PH	4-PH	4-PH	5259.1	1481.6	1 519.8	6 643.3	6531.2	3.62	1.24
157.76	4-M071	4-M071	4-M071	5258.7	1481.6	1 519.5	6 642.4	6529.9	3.62	1.24
158.00	4-SLEEP	4-SLEEP	4-SLEEPM	5258.5	1481.6	1 519.3	6 642.4	6529.7	3.62	1.24
166.00	4-PH	4-PH	4-PH	5251.2	1481.3	1 513.9	6 642.4	6524.3	3.65	1.22
166.50	4-EAT	4-EAT	4-EAT	5250.8	1481.3	1 513.6	6 641.5	6523.1	3.65	1.22
167.50	4-M071	4-M071	4-M071	5249.9	1481.3	1 512.9	6 641.5	6522.4	3.65	1.22
168.00	4-M50920	4-M509	2-ATM	5249.4	1481.2	1 512.6	6 641.5	6522.1	3.65	1.22
168.84	4-M50920	4-M50920S	2-ATM	5248.7	1481.2	1 512.0	6 641.5	6521.5	3.65	1.22
170.00	2-ATM	4-SYS-HK	2-ATM	5248.2	1458.0	1 511.2	6 641.5	6520.7	3.65	1.62
170.75	2-ATM	4-M131AS	4-M131AO	5248.2	1457.9	1 510.7	6 641.1	6519.9	3.64	1.62
171.25	2-ATM	4-M131AO	4-M131AS	5248.2	1457.9	1 510.4	6 641.1	6519.5	3.63	1.62
172.00	2-EAT	4-EAT	4-EAT	5248.2	1457.9	1 509.9	6 641.1	6519.0	3.62	1.61
173.00	2-M071	4-M071	4-M071	5248.2	1457.9	1 509.2	6 641.1	6518.3	3.61	1.61
173.50	2-ATM	4-PH	4-PH	5248.2	1457.9	1 508.9	6 641.1	6518.0	3.60	1.61
174.00	2-ATM	4-SYS-HK	4-OPEN	5248.2	1457.8	1 508.5	6 640.5	6517.1	3.60	1.61
174.75	4-M487-3	4-M487-3	4-M487-3	5248.2	1457.8	1 508.0	6 640.2	6516.2	3.59	1.60
175.25	4-PH	2-ATM	4-SYS-HK	5248.2	1457.8	1 507.7	6 640.2	6515.9	3.58	1.60

TABLE 6.0-I.- Continued.

TIME	ASTRO1	ASTRO 2	ASTRO 3	O2 TANK	N2 TANK	MET-EXP H2O TANK	WMC H2O TANK	TOTAL H2O TNKS	O2 PP	N2 PP
175.75	2-SYS-HK	2-ATM	4-SYS-HK	5248.1	1457.8	1 507.4	6 639.7	6515.0	3.58	1.60
176.33	4-M092-S	2-SYS-HK	4-M092-O	5248.1	1457.8	1 507.0	6 639.1	6514.1	3.57	1.60
177.00	4-M093-S	2-ATM	4-M093-O	5248.0	1457.6	1 506.5	6 638.8	6513.3	3.55	1.59
178.00	4-EAT	4-EAT	4-EAT	5247.8	1457.6	1 505.8	6 638.8	6512.7	3.54	1.59
179.00	4-M071	4-M071	4-M071	5247.5	1457.6	1 505.2	6 638.8	6512.0	3.53	1.59
179.25	4-PLN	4-PLN	2-ATM	5247.4	1457.6	1 505.0	6 638.8	6511.8	3.53	1.59
180.25	4-R-R	4-R-R	2-ATM	5247.2	1457.5	1 504.3	6 638.8	6511.2	3.52	1.58
181.25	4-PH	4-PH	4-PH	5246.8	1457.5	1 503.6	6 638.8	6510.5	3.52	1.58
181.75	4-M071	4-M071	4-M071	5246.7	1457.5	1 503.3	6 637.9	6509.2	3.51	1.58
182.00	4-SLEEP	4-SLEEP	4-SLEEPM	5246.6	1457.5	1 503.1	6 637.9	6509.0	3.51	1.58
190.00	4-PH	4-PH	4-PH	5243.1	1457.2	1 497.7	6 637.9	6503.6	3.48	1.55
190.50	4-EAT	4-EAT	4-EAT	5242.8	1457.2	1 497.4	6 637.0	6502.4	3.48	1.55
191.50	4-M071	4-M071	4-M071	5242.3	1457.2	1 496.7	6 637.0	6501.7	3.48	1.55
192.00	2-ATM	4-SYS-HK	4-OPEN	5242.0	1457.1	1 496.4	6 637.0	6501.4	3.47	1.55
194.00	2-ATM	4-M092-S	4-M092-O	5240.9	1457.1	1 495.0	6 636.1	6499.1	3.47	1.54
195.00	2-ATM	4-M093-S	4-M093-O	5240.3	1456.9	1 494.4	6 636.1	6498.4	3.45	1.53
196.00	4-EAT	4-EAT	2-EAT	5239.6	1456.9	1 493.7	6 636.1	6497.8	3.45	1.53
197.00	4-M071	4-M071	2-M071	5239.0	1456.9	1 493.0	6 636.1	6497.1	3.45	1.53
197.50	4-PH	4-PH	2-ATM	5238.7	1456.9	1 492.7	6 636.1	6496.8	3.45	1.53
198.00	4-SYS-HK	4-OPEN	2-ATM	5238.3	1456.8	1 492.3	6 635.5	6495.8	3.45	1.53
198.25	4-SYS-HK	4-OPEN	4-PH	5238.2	1456.8	1 492.2	6 635.3	6495.5	3.45	1.53
198.75	4-SYS-HK	2-ATM	4-OPEN	5237.8	1456.8	1 491.8	6 634.8	6494.6	3.45	1.52
200.25	2-ATM	4-M092-O	4-M092-S	5236.8	1456.8	1 490.8	6 634.2	6493.0	3.45	1.52
201.25	2-ATM	4-M093-O	4-M093-S	5236.1	1456.6	1 490.1	6 634.2	6492.3	3.43	1.51
202.00	4-EAT	4-EAT	4-EAT	5235.5	1456.6	1 489.6	6 634.2	6491.8	3.43	1.51
202.75	4-M487-4	4-M487-4	4-M487-4	5235.0	1456.6	1 489.1	6 634.2	6491.3	3.43	1.51
203.00	4-M071	4-M071	4-M071	5234.8	1456.6	1 489.0	6 634.2	6491.1	3.43	1.51
203.25	2-ATM	4-PLN	4-PLN	5234.6	1456.6	1 488.8	6 634.2	6490.9	3.43	1.51
204.25	2-ATM	4-R-R	4-R-R	5233.8	1456.5	1 488.1	6 634.2	6490.3	3.43	1.50
205.25	4-PH	4-PH	4-PH	5233.1	1456.5	1 487.4	6 634.2	6489.6	3.43	1.50
205.75	4-M071	4-M071	4-M071	5232.7	1456.5	1 487.1	6 633.2	6488.3	3.43	1.50
206.00	4-SLEEP	4-SLEEP	4-SLEEPM	5232.5	1456.5	1 486.9	6 633.2	6488.1	3.43	1.50
214.00	4-PH	4-PH	4-PH	5226.3	1456.2	1 481.5	6 633.2	6482.7	3.45	1.48
214.50	4-EAT	4-EAT	4-EAT	5225.9	1456.2	1 481.2	6 632.3	6481.5	3.45	1.48
215.50	4-M071	4-M071	4-M071	5225.1	1456.2	1 480.5	6 632.3	6480.8	3.45	1.47
216.00	4-M487-5	4-M487-5	4-M487-5	5224.7	1456.1	1 480.2	6 632.3	6480.5	3.45	1.47
216.50	4-SYS-HK	4-OFFDTY	4-SO15	5224.3	1456.1	1 479.8	6 632.3	6480.1	3.45	1.47
216.75	4-SYS-HK	4-OFFDTY	4-OFFDTY	5224.1	1456.1	1 479.7	6 632.2	6479.8	3.45	1.47
217.25	4-SYS-HK	4-OFFDTY	4-SO15	5223.7	1456.1	1 479.3	6 632.0	6479.3	3.45	1.47
217.50	4-SYS-HK	4-OFFDTY	4-OFFDTY	5223.5	1456.1	1 479.2	6 631.8	6479.0	3.45	1.47
218.00	4-OFFDTY	4-OFFDTY	4-OFFDTY	5223.1	1456.1	1 478.8	6 631.6	6478.4	3.45	1.47
218.25	4-OFFDTY	4-OFFDTY	4-SO15	5222.9	1456.1	1 478.7	6 631.6	6478.3	3.45	1.46
218.50	4-OFFDTY	4-OFFDTY	4-OFFDTY	5222.7	1456.1	1 478.5	6 631.6	6478.1	3.45	1.46
220.00	4-EAT	4-EAT	4-EAT	5221.4	1456.0	1 477.5	6 631.6	6477.1	3.45	1.46
221.00	4-M071	4-M071	4-M071	5220.6	1456.0	1 476.8	6 631.6	6476.4	3.45	1.46
221.50	4-PH	4-PH	4-PH	5220.2	1456.0	1 476.5	6 631.6	6476.1	3.45	1.46
222.00	4-OFFDTY	4-SYS-HK	4-OFFDTY	5219.8	1455.9	1 476.1	6 630.7	6474.8	3.45	1.45
223.25	4-OFFDTY	4-OFFDTY	4-OFFDTY	5218.8	1455.9	1 475.3	6 630.1	6473.4	3.45	1.45
224.25	4-OFFDTY	4-OFFDTY	4-SYS-HK	5217.9	1455.9	1 474.6	6 630.1	6472.7	3.45	1.45
226.00	4-EAT	4-EAT	4-EAT	5216.5	1455.8	1 473.4	6 629.4	6470.8	3.46	1.44

TABLE 6.0-I.- Continued.

TIME	ASTRO1	ASTRO 2	ASTRO 3	O2 TANK	N2 TANK	MET-EXP H2O TANK	WMC H2O TANK	TOTAL H2O TNKS	O2 PP	N2 PP
227.00	4-M071	4-M071	4-M071	5215.6	1455.8	1 472.8	6 629.4	6470.1	3.46	1.44
227.25	4-PLN	4-PLN	4-PLN	5215.4	1455.8	1 472.6	6 629.4	6469.9	3.46	1.44
228.25	4-R-R	4-R-R	4-R-R	5214.6	1455.7	1 471.9	6 629.4	6469.3	3.46	1.44
229.25	4-PH	4-PH	4-PH	5213.7	1455.7	1 471.2	6 629.4	6468.6	3.46	1.43
229.75	4-M071	4-M071	4-M071	5213.3	1455.7	1 470.9	6 628.4	6467.3	3.46	1.43
230.00	4-SLEEP	4-SLEEP	4-SLEEP	5213.1	1455.7	1 470.7	6 628.4	6467.1	3.46	1.43
238.00	4-PH	4-PH	4-PH	5206.3	1455.4	1 465.3	6 628.4	6461.7	3.48	1.41
238.25	4-M487-6	4-M487-6	4-M487-6	5206.1	1455.4	1 465.2	6 628.0	6461.1	3.48	1.41
238.50	4-EAT	4-EAT	4-EAT	5205.9	1455.4	1 465.0	6 628.0	6460.9	3.48	1.41
239.50	4-M071	4-M071	4-M071	5205.0	1455.4	1 464.3	6 628.0	6460.3	3.48	1.41
240.00	4-M512	2-SYS-HK	4-T027-1	5204.6	1456.3	1 464.0	6 628.0	6459.9	3.49	1.41
240.50	4-M512	2-ATM	4-S073SU	5204.1	1455.3	1 463.6	6 627.7	6459.4	3.49	1.40
241.00	4-M512-4	2-ATM	4-S073-4	5203.7	1455.3	1 463.3	6 627.7	6459.0	3.49	1.40
241.25	4-M512	2-ATM	4-SYS-HK	5203.5	1455.3	1 463.1	6 627.7	6458.9	3.49	1.40
242.75	2-EAT	2-ATM	4-SYS-HK	5202.2	1455.2	1 462.1	6 627.1	6457.2	3.49	1.40
243.25	2-EAT	4-M131AO	4-M131AS	5201.8	1455.2	1 461.8	6 626.8	6456.6	3.49	1.40
243.75	4-M071	2-EAT	4-EAT	5201.3	1455.2	1 461.5	6 626.8	6456.3	3.49	1.40
244.25	4-EREP	2-EAT	4-EAT	5200.9	1455.2	1 461.1	6 626.8	6456.0	3.49	1.39
244.75	4-EREP	2-M071	4-M071	5200.5	1455.2	1 460.8	6 626.8	6455.6	3.49	1.39
245.25	4-EREP	2-EREP	4-EREP	5200.0	1455.2	1 460.4	6 626.8	6455.3	3.49	1.39
246.00	4-EREP	4-PH	4-PH	5199.4	1455.1	1 459.9	6 626.8	6454.8	3.49	1.39
246.33	4-PH	4-PH	4-PH	5199.1	1455.1	1 459.7	6 626.4	6454.1	3.50	1.39
246.75	4-PH	4-M131AS	4-M131AO	5198.7	1455.1	1 459.4	6 625.6	6453.1	3.50	1.39
247.00	2-ATM	4-M131AS	4-M131AO	5198.5	1455.1	1 459.3	6 625.5	6452.7	3.50	1.39
247.25	2-ATM	2-ATM	4-S073-4	5198.3	1455.1	1 459.1	6 625.5	6452.6	3.50	1.39
247.75	4-M092-S	2-ATM	4-M092-0	5197.8	1455.1	1 458.8	6 625.5	6452.2	3.50	1.39
249.00	4-M171-S	2-ATM	4-M171-0	5196.7	1454.9	1 457.9	6 625.5	6451.4	3.49	1.38
250.00	4-EAT	4-EAT	4-EAT	5195.8	1454.8	1 457.2	6 625.5	6450.7	3.49	1.38
251.00	4-M071	4-M071	4-M071	5194.9	1454.8	1 456.6	6 625.5	6450.0	3.49	1.37
251.25	4-PLN	2-ATM	4-PLN	5194.7	1454.8	1 456.4	6 625.5	6449.9	3.49	1.37
252.25	4-R-R	2-ATM	4-R-R	5193.7	1454.8	1 455.7	6 625.5	6449.2	3.50	1.37
253.00	4-R-R	2-ATM	4-S073-4	5193.1	1454.7	1 455.2	6 625.5	6448.7	3.50	1.37
253.25	4-PH	4-PH	4-PH	5192.8	1454.7	1 455.0	6 625.5	6448.5	3.50	1.37
253.50	4-M487-6	4-M487-6	4-M487-6	5192.6	1454.7	1 454.9	6 625.0	6447.9	3.50	1.37
253.75	4-M071	4-M071	4-M071	5192.4	1454.7	1 454.7	6 625.0	6447.7	3.50	1.37
254.00	4-SLEEP	4-SLEEP	4-SLEEPH	5192.1	1454.7	1 454.5	6 625.0	6447.6	3.50	1.37
262.00	4-PH	4-PH	4-PH	5184.9	1454.4	1 449.1	6 625.0	6442.2	3.53	1.35
262.50	4-EAT	4-EAT	4-EAT	5184.5	1454.4	1 448.8	6 624.1	6440.9	3.53	1.35
263.00	4-M071	4-M071	4-M071	5184.0	1454.4	1 448.5	6 624.1	6440.5	3.53	1.34
264.00	4-M487-7	4-M487-7	4-M487-7	5183.1	1454.4	1 447.8	6 624.1	6439.9	3.53	1.34
264.25	2-ATM	4-S183SU	4-SYS-HK	5182.9	1454.4	1 447.6	6 624.1	6439.7	3.53	1.34
265.25	2-SYS-HK	4-M092	4-M092-0	5182.0	1454.3	1 446.9	6 623.6	6438.6	3.53	1.34
265.50	2-ATM	4-M092-S	4-M092-0	5181.8	1454.3	1 446.8	6 623.5	6438.3	3.53	1.34
266.75	2-SYS-HK	4-M171-S	4-M171-0	5180.6	1454.2	1 445.9	6 623.5	6437.5	3.52	1.33
267.25	2-SYS-HK	4-EAT	2-EAT	5180.1	1454.1	1 445.6	6 623.3	6436.9	3.52	1.33
267.75	4-EREP	4-EAT	2-EAT	5179.7	1454.1	1 445.3	6 623.1	6436.3	3.53	1.33
268.25	4-EREP	4-M071	2-M071	5179.2	1454.1	1 444.9	6 623.1	6436.0	3.53	1.33
268.75	4-EREP	4-EREP	2-EREP	5178.7	1454.1	1 444.6	6 623.1	6435.7	3.53	1.33
269.75	2-EAT	4-S183-1	4-PH	5177.8	1454.0	1 443.9	6 623.1	6435.0	3.53	1.33
270.25	2-EAT	4-PH	4-SYS-HK	5177.3	1454.0	1 443.6	6 622.8	6434.3	3.53	1.32

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TABLE 6.0 -I.- Continued.

TIME	ASTRO1	ASTRO 2	ASTRO 3	O2 TANK	N2 TANK	MET-EXP H2O TANK	WMC H2O TANK	TOTAL H2O TNKS	O2 PP	N2 PP
270.75	2-MO71	4-SYS-HK	4-SO73ST	5176.9	1454.0	1 443.2	6 622.2	6433.5	3.53	1.32
271.25	4-OPEN	4-SYS-HK	4-T027SU	5176.4	1454.0	1 442.9	6 622.0	6432.9	3.54	1.32
271.75	2-ATM	4-M092-0	4-M092-S	5175.9	1453.9	1 442.6	6 621.8	6432.4	3.54	1.32
273.00	4-PH	4-M171-0	4-M171-S	5174.7	1453.8	1 441.7	6 621.8	6431.5	3.53	1.31
273.50	4-SYS-HK	4-M171-0	4-M171	5174.2	1453.7	1 441.4	6 621.5	6430.9	3.53	1.31
274.00	2-ATM	4-EAT	4-EAT	5173.8	1453.7	1 441.0	6 621.3	6430.3	3.53	1.31
275.00	4-MO71	4-MO71	4-MO71	5172.8	1453.7	1 440.4	6 621.3	6429.6	3.53	1.31
275.25	4-PLN	4-PLN	2-ATM	5172.6	1453.7	1 440.2	6 621.3	6429.5	3.53	1.31
276.25	4-R-R	4-R-R	2-ATM	5171.6	1453.6	1 439.5	6 621.3	6428.8	3.54	1.31
277.25	4-PH	4-PH	4-PH	5170.7	1453.6	1 438.8	6 621.3	6428.1	3.54	1.30
277.75	4-MO71	4-MO71	4-MO71	5170.2	1453.6	1 438.5	6 620.3	6426.8	3.54	1.30
278.00	4-SLEEP	4-SLEEP	4-SLEEPM	5169.9	1453.6	1 438.3	6 620.3	6426.7	3.54	1.30
286.00	4-PH	4-PH	4-PH	5162.4	1453.3	1 432.9	6 620.3	6421.3	3.57	1.28
286.50	4-EAT	4-EAT	4-EAT	5161.9	1453.3	1 432.6	6 619.4	6420.0	3.58	1.28
287.50	4-MO71	4-MO71	4-MO71	5161.0	1453.3	1 431.9	6 619.4	6419.3	3.58	1.28
288.00	4-M487-8	4-M487-8	4-M487-8	5160.6	1453.2	1 431.6	6 619.4	6419.0	3.58	1.28
288.25	2-ATM	4-S183-2	4-SYS-HK	5160.3	1453.2	1 431.4	6 619.4	6418.8	3.58	1.28
289.25	2-ATM	4-D008-1	4-T027-2	5159.4	1453.2	1 430.7	6 619.0	6417.7	3.58	1.28
290.00	2-ATM	4-D008-2	4-T027	5158.7	1453.2	1 430.2	6 619.0	6417.2	3.58	1.27
290.25	2-ATM	4-D008-2	2-ATM	5158.5	1453.2	1 430.1	6 619.0	6417.0	3.58	1.27
291.00	4-EREP	4-SYS-HK	2-ATM	5157.8	1453.1	1 429.6	6 619.0	6416.5	3.59	1.27
292.00	4-EREP	4-EREP	2-EREP	5156.8	1453.1	1 428.9	6 618.5	6415.4	3.59	1.27
293.00	4-EAT	4-EAT	2-EAT	5155.9	1453.1	1 428.2	6 618.5	6414.7	3.59	1.27
294.00	4-MO71	4-MO71	2-ATM	5155.0	1453.0	1 427.5	6 618.5	6414.0	3.59	1.26
294.50	4-T003-2	4-S183-3	2-MO71	5154.5	1453.0	1 427.2	6 618.5	6413.7	3.60	1.26
294.75	2-ATM	4-S183ST	2-MO71	5154.3	1453.0	1 427.0	6 618.5	6413.5	3.60	1.26
295.25	2-ATM	4-PH	2-SYS-HK	5153.8	1453.0	1 426.7	6 618.5	6413.2	3.60	1.26
295.75	2-ATM	2-ATM	4-T027-2	5153.4	1453.0	1 426.4	6 618.0	6412.3	3.60	1.26
296.25	4-PH	2-ATM	4-T027	5152.9	1453.0	1 426.0	6 618.0	6412.0	3.60	1.26
296.75	4-SYS-HK	2-ATM	4-PH	5152.4	1452.9	1 425.7	6 617.7	6411.3	3.60	1.26
297.25	4-SYS-HK	2-ATM	2-SYS-HK	5152.0	1452.9	1 425.3	6 617.1	6410.5	3.60	1.26
298.00	4-EAT	4-EAT	4-EAT	5151.3	1452.9	1 424.8	6 616.5	6409.3	3.60	1.25
298.75	4-EAT	4-EAT	4-T003-3	5150.6	1452.9	1 424.3	6 616.5	6408.8	3.61	1.25
299.00	4-MO71	4-MO71	4-MO71	5150.3	1452.9	1 424.2	6 616.5	6408.6	3.61	1.25
299.25	2-ATM	4-PLN	4-PLN	5150.1	1452.9	1 424.0	6 616.5	6408.5	3.61	1.25
300.25	2-ATM	4-R-R	4-R-R	5149.2	1452.8	1 423.3	6 616.5	6407.8	3.61	1.25
301.25	4-PH	4-PH	4-PH	5148.3	1452.8	1 422.6	6 616.5	6407.1	3.61	1.25
301.75	4-MO71	4-MO71	4-PH	5147.8	1452.8	1 422.3	6 615.5	6405.8	3.61	1.25
302.00	4-SLEEP	4-SLEEP	4-SLEEP	5147.6	1452.8	1 422.1	6 615.4	6405.5	3.61	1.25
310.50	4-EAT	4-EAT	4-EAT	5139.8	1452.5	1 416.4	6 615.4	6399.8	3.64	1.23
310.00	4-PH	4-PH	4-PH	5140.2	1452.5	1 416.7	6 615.4	6400.1	3.64	1.23
311.50	4-MO71	4-MO71	4-MO71	5138.9	1452.4	1 415.7	6 612.6	6396.3	3.64	1.22
312.50	4-M131BS	2-ATM	4-M131BO	5137.9	1452.4	1 415.0	6 612.6	6395.6	3.65	1.22
312.00	4-SYS-HK	2-ATM	4-SYS-HK	5138.4	1452.4	1 415.4	6 612.6	6396.0	3.65	1.22
313.50	2-ATM	4-M131BS	4-M131BO	5137.0	1452.4	1 414.4	6 611.2	6393.6	3.65	1.22
314.25	2-EREP	4-M131BO	4-M131BS	5136.4	1452.3	1 413.9	6 611.2	6393.1	3.65	1.22
315.25	2-EREP	4-EREP	4-EREP	5135.4	1452.3	1 413.2	6 611.2	6392.4	3.65	1.21
316.25	2-EAT	4-EAT	4-EAT	5134.5	1452.3	1 412.5	6 611.2	6391.8	3.65	1.21
317.25	2-ATM	4-MO71	4-MO71	5133.6	1452.2	1 411.8	6 611.2	6391.1	3.66	1.21
317.75	2-MO71	4-PH	4-PH	5133.2	1452.2	1 411.5	6 611.2	6390.7	3.66	1.21

TABLE 6.0-I.- Continued.

TIME	ASTRO 1	ASTRO 2	ASTRO 3	O2 TANK	N2 TANK	MET-EXP H2O TANK	WMC H2O TANK	TOTAL H2O TNKS	O2 PP	N2 PP
318.50	4-PH	2-ATM	4-SYS-HK	5132.5	1452.2	1 411.0	6 610.3	6389.3	3.66	1.21
319.00	4-SYS-HK	2-ATM	4-T027-2	5132.0	1452.2	1 410.7	6 609.8	6388.4	3.66	1.21
320.00	4-SYS-HK	2-ATM	4-SYS-HK	5131.1	1452.1	1 410.0	6 609.3	6387.3	3.66	1.20
320.50	4-M092-S	2-ATM	4-M092-0	5130.7	1452.1	1 409.6	6 608.9	6386.5	3.66	1.20
321.50	4-M093-S	2-SYS-HK	4-M093-0	5129.7	1452.0	1 409.0	6 608.9	6385.9	3.65	1.20
322.00	4-EAT	4-EAT	4-EAT	5129.2	1452.0	1 408.6	6 608.7	6385.3	3.65	1.20
323.00	4-M071	4-M071	4-M071	5128.3	1452.0	1 408.0	6 608.7	6384.6	3.66	1.19
323.25	4-PH	2-ATM	4-PLN	5128.0	1451.9	1 407.8	6 608.7	6384.5	3.66	1.19
324.25	4-R-R	4-R-R	4-R-R	5127.1	1451.9	1 407.1	6 608.0	6383.2	3.66	1.19
325.00	4-M487-9	4-M487-9	4-M487-9	5126.4	1451.9	1 406.6	6 608.0	6382.7	3.66	1.19
325.25	4-PH	4-PH	4-PH	5126.2	1451.9	1 406.4	6 608.0	6382.5	3.66	1.19
325.75	4-M071	4-M071	4-M071	5125.7	1451.9	1 406.1	6 607.1	6381.2	3.66	1.19
326.00	4-SLEEP	4-SLEEP	4-SLEEP	5125.4	1451.8	1 405.9	6 607.1	6381.0	3.66	1.19
334.00	4-PH	4-PH	4-PH	5118.0	1451.6	1 400.5	6 607.1	6375.6	3.69	1.17
334.50	4-EAT	4-EAT	4-EAT	5117.5	1451.6	1 400.2	6 606.2	6374.4	3.69	1.17
335.50	4-M071	4-M071	4-M071	5116.6	1451.5	1 399.5	6 606.2	6373.7	3.70	1.17
335.75	4-M487-1	4-M487-1	4-M487-1	5116.4	1451.5	1 399.4	6 606.2	6373.5	3.70	1.17
336.00	2-ATM	4-SYS-HK	4-M172	5116.1	1451.5	1 399.2	6 606.2	6373.4	3.70	1.17
336.25	2-ATM	4-SYS-HK	4-M074	5115.9	1451.5	1 399.0	6 606.1	6373.1	3.70	1.16
337.00	2-ATM	4-M092-S	4-M092-0	5115.2	1451.5	1 398.5	6 605.7	6372.2	3.70	1.16
337.50	4-EREP	4-M093-S	4-M093-0	5114.7	1451.4	1 398.2	6 605.7	6371.9	3.69	1.16
338.50	4-EREP	4-EREP	4-EREP	5113.8	1451.3	1 397.5	6 605.7	6371.2	3.69	1.16
339.33	4-SYS-HK	4-H20SAM	4-SYS-HK	5113.0	1451.3	1 396.9	6 605.7	6370.7	3.69	1.16
340.25	4-EREP	2-EREP	4-EREP	5112.1	1451.3	1 396.2	6 604.9	6369.1	3.69	1.15
341.25	4-EAT	2-EAT	4-EAT	5111.2	1451.2	1 395.5	6 604.9	6368.4	3.70	1.15
342.25	4-M071	2-ATM	4-M071	5110.2	1451.2	1 394.8	6 604.9	6367.8	3.70	1.15
342.75	4-PH	2-M071	4-S183-4	5109.8	1451.2	1 394.5	6 604.9	6367.4	3.70	1.15
343.25	2-ATM	4-PH	4-PH	5109.3	1451.2	1 394.2	6 604.6	6366.8	3.70	1.15
344.00	2-ATM	4-SYS-HK	4-OPEN	5108.6	1451.1	1 393.7	6 603.7	6365.3	3.70	1.15
344.50	2-SYS-HK	4-M092-0	4-M092-S	5108.1	1451.1	1 393.3	6 603.5	6364.8	3.70	1.14
345.50	2-ATM	4-M093-0	4-M093-S	5107.1	1451.0	1 392.6	6 603.0	6363.7	3.69	1.14
346.00	4-EAT	4-EAT	4-EAT	5106.4	1451.0	1 392.3	6 603.0	6363.3	3.70	1.14
347.00	4-M071	4-M071	4-M071	5105.7	1451.0	1 391.6	6 603.0	6362.6	3.70	1.14
347.25	4-PLN	4-PLN	4-SYS-HK	5105.4	1450.9	1 391.5	6 603.0	6362.5	3.70	1.14
348.25	4-R-R	4-R-R	2-ATM	5104.4	1450.9	1 390.8	6 602.6	6361.4	3.70	1.13
349.25	4-PH	4-PH	4-PH	5103.5	1450.9	1 390.1	6 602.6	6360.7	3.71	1.13
349.75	4-M071	4-M071	4-M071	5103.0	1450.9	1 389.8	6 601.6	6359.4	3.71	1.13
350.00	4-SLEEP	4-SLEEP	4-SLEEPM	5102.7	1450.8	1 389.6	6 601.6	6359.2	3.71	1.13
358.00	4-PH	4-PH	4-PH	5095.1	1450.6	1 384.2	6 601.6	6353.8	3.74	1.11
358.50	4-EAT	4-EAT	4-EAT	5094.6	1450.6	1 383.9	6 600.7	6352.6	3.74	1.11
359.50	4-M071	4-M071	4-M071	5093.7	1450.5	1 383.2	6 600.7	6351.9	3.74	1.11
360.00	2-ATM	4-SYS-HK	4-T027ST	5093.2	1450.5	1 382.9	6 600.7	6351.6	3.74	1.11
360.50	2-ATM	4-M131AS	4-M131A0	5092.8	1450.5	1 382.5	6 600.5	6351.0	3.75	1.11
361.25	2-EREP	4-M131A0	4-M131AS	5092.1	1450.5	1 382.0	6 600.5	6350.5	3.75	1.11
362.00	2-EREP	4-EREP	4-EREP	5091.4	1450.5	1 381.5	6 600.5	6360.0	3.75	1.11
362.75	2-SYS-HK	4-S183ST	4-SYS-HK	5090.6	1450.4	1 381.0	6 600.5	6349.5	3.75	1.10
363.25	4-M487-2	4-M487-2	4-M487-2	5090.2	1450.4	1 380.7	6 600.0	6348.7	3.75	1.10
363.50	4-EREP	4-EREP	4-EREP	5089.9	1450.4	1 380.6	6 600.0	6348.5	3.75	1.10
364.50	4-EAT	4-EAT	2-EAT	5089.0	1450.4	1 379.8	6 600.0	6347.9	3.75	1.10
365.50	4-M071	4-M071	2-M071	5088.1	1450.3	1 379.1	6 600.0	6347.2	3.75	1.10

TABLE 6.0-I.- Continued.

TIME	ASTRO1	ASTRO 2	ASTRO 3	O2 TANK	N2 TANK	MET-EXP H2O TANK	WMC H2O TANK	TOTAL H2O TNKS	O2 PP	N2 PP
366.00	4-PH	4-PH	2-ATM	5087.6	1450.3	1 378.8	6 600.0	6346.8	3.76	1.10
366.50	4-M50930	4-M509	2-ATM	5087.1	1450.3	1 378.5	6 599.4	6345.9	3.76	1.10
368.00	4-M50930	4-M509	4-PH	5085.7	1450.3	1 377.5	6 599.4	6344.9	3.76	1.09
368.25	4-M50930	4-M509	2-ATM	5085.5	1450.2	1 377.3	6 599.3	6344.5	3.76	1.09
368.67	4-M50930	4-M50935	2-ATM	5085.1	1450.2	1 377.0	6 599.3	6344.3	3.76	1.09
370.00	4-EAT	4-EAT	4-EAT	5068.5	1423.5	1 376.1	6 599.3	6343.4	3.99	1.55
371.00	4-M071	4-M071	4-M071	5068.5	1423.4	1 375.4	6 599.3	6342.7	3.95	1.54
371.25	2-ATM	4-PLN	4-PLN	5068.5	1423.4	1 375.3	6 599.3	6342.5	3.94	1.54
372.25	2-SYS-HK	4-R-R	4-R-R	5068.5	1423.4	1 374.6	6 599.3	6341.8	3.93	1.53
373.25	4-PH	4-PH	4-PH	5068.5	1423.4	1 373.9	6 598.8	6340.7	3.92	1.53
373.75	4-M071	4-M071	4-M071	5068.5	1423.3	1 373.6	6 597.9	6339.5	3.91	1.53
374.00	4-SLEEP	4-SLEEP	4-SLEEP	5068.5	1423.3	1 373.4	6 597.9	6339.3	3.91	1.53
382.00	4-PH	4-PH	4-PH	5068.5	1423.1	1 368.0	6 597.9	6333.9	3.82	1.50
382.50	4-EAT	4-EAT	4-EAT	5068.5	1423.1	1 367.7	6 596.9	6332.6	3.81	1.50
383.50	4-M071	4-M071	4-M071	5068.5	1423.0	1 367.0	6 596.9	6331.9	3.80	1.50
384.00	4-SYS-HK	4-S183SU	2-ATM	5068.6	1423.0	1 366.7	6 596.9	6331.6	3.79	1.50
384.50	4-SYS-HK	4-S183-5	2-ATM	5068.5	1423.0	1 366.3	6 596.7	6331.0	3.78	1.49
385.50	4-SYS-HK	4-T027SU	2-ATM	5068.5	1423.0	1 365.7	6 596.3	6329.9	3.77	1.49
386.00	4-EREP	4-SYS-HK	2-ATM	5068.5	1422.9	1 365.3	6 696.1	6329.4	3.76	1.49
386.75	4-EREP	4-EREP	2-EREP	5068.5	1422.9	1 364.8	6 595.7	6328.5	3.76	1.49
387.50	4-EREP	4-SYS-HK	2-OPEN	5068.5	1422.9	1 364.3	6 595.7	6328.0	3.75	1.49
388.00	2-EAT	4-EAT	2-EAT	5068.5	1422.9	1 364.0	6 595.5	6327.5	3.74	1.48
389.00	2-ATM	4-M071	4-M071	5068.5	1422.8	1 363.3	6 595.5	6326.8	3.73	1.48
389.50	4-M071	4-PH	4-PH	5068.5	1422.8	1 363.0	6 595.5	6326.4	3.72	1.48
390.00	4-M487-3	4-M487-3	4-M487-3	5068.5	1422.8	1 362.6	6 594.9	6325.5	3.72	1.48
390.25	4-PH	2-ATM	4-T027-2	5068.5	1422.8	1 362.4	6 594.9	6325.3	3.71	1.48
390.75	4-SYS-HK	2-ATM	4-T027	5068.5	1422.7	1 362.1	6 594.6	6324.7	3.71	1.48
391.75	4-M092-S	2-ATM	4-M092-0	5068.5	1422.6	1 361.4	6 594.1	6323.5	3.69	1.48
393.00	4-M171-S	2-ATM	4-M171-0	5068.5	1422.2	1 360.6	6 594.1	6322.7	3.66	1.47
394.00	4-EAT	2-EAT	4-EAT	5068.5	1421.9	1 359.9	6 594.1	6322.0	3.65	1.47
395.00	4-M071	4-M071	4-M071	5068.5	1421.6	1 359.2	6 594.1	6321.4	3.64	1.48
395.25	4-PLN	2-ATM	4-PLN	5068.5	1421.5	1 359.1	6 594.1	6321.2	3.64	1.48
396.25	4-R-R	2-ATM	4-R-R	5068.5	1421.2	1 358.4	6 594.1	6320.5	3.62	1.48
397.25	4-PH	4-PH	4-PH	5068.5	1420.8	1 357.7	6 594.1	6319.8	3.61	1.48
397.75	4-M071	4-M071	4-M071	5068.5	1420.6	1 357.4	6 593.2	6318.6	3.61	1.48
398.00	4-SLEEP	4-SLEEP	4-SLEEPM	5068.5	1420.5	1 357.2	6 593.2	6318.4	3.60	1.48
406.00	4-PH	4-PH	4-PH	5065.1	1420.1	1 351.8	6 593.2	6313.0	3.57	1.46
406.50	4-EAT	4-EAT	4-EAT	5064.8	1420.1	1 351.5	6 592.3	6311.7	3.57	1.46
407.50	4-M071	4-M071	4-M071	5064.3	1420.1	1 350.8	6 592.3	6311.1	3.56	1.46
408.00	4-SYS-HK	4-S183-6	4-SYS-HK	5064.0	1420.1	1 350.5	6 592.3	6310.7	3.56	1.46
408.75	4-SYS-HK	4-S183ST	2-ATM	5063.6	1420.0	1 350.0	6 591.6	6309.5	3.56	1.46
409.25	4-EREP	4-T027ST	2-ATM	5063.3	1420.0	1 349.6	6 591.4	6309.0	3.56	1.45
410.00	4-EREP	4-EREP	4-EREP	5062.9	1420.0	1 349.1	6 591.4	6308.5	3.55	1.45
411.00	2-ATM	4-M092-S	4-M092-0	5062.3	1420.0	1 348.4	6 591.4	6307.8	3.55	1.45
412.00	2-EAT	4-M171-S	4-M171-0	5061.6	1419.8	1 347.8	6 591.4	6307.1	3.54	1.44
413.00	2-EAT	2-EAT	4-EAT	5061.0	1419.7	1 347.1	6 591.4	6306.5	3.53	1.44
413.75	4-T027-3	2-EAT	4-EAT	5060.5	1419.7	1 346.6	6 591.4	6305.9	3.53	1.44
414.00	4-T027	2-M071	4-M071	5060.3	1419.7	1 346.4	6 591.4	6305.8	3.53	1.44
414.50	4-T027	2-ATM	4-PH	5060.0	1419.7	1 346.1	6 591.4	6305.4	3.53	1.44
415.00	4-PH	2-ATM	4-SYS-HK	5059.6	1419.7	1 345.7	6 591.1	6304.8	3.53	1.44

TABLE 6.0-I.- Continued.

TIME	ASTRO1	ASTRO 2	ASTRO 3	O2 TANK	N2 TANK	MET-EXP H2O TANK	WMC H2O TANK	TOTAL H2O TNKS	O2 PP	N2 PP
415.25	2-ATM	4-PH	4-SYS-HK	5059.5	1419.7	1 345.6	6 590.8	6304.4	3.53	1.43
416.00	2-ATM	4-M092-0	4-M092-S	5058.9	1419.6	1 345.1	6 590.0	6303.0	3.53	1.43
417.00	2-ATM	4-M171-0	4-M171-S	5058.2	1419.5	1 344.4	6 590.0	6302.4	3.52	1.43
417.50	2-SYS-HK	4-M171-0	4-M171	5057.8	1419.4	1 344.1	6 590.0	6302.0	3.52	1.43
418.00	4-EAT	4-EAT	4-EAT	5057.5	1419.4	1 343.7	6 589.8	6301.5	3.52	1.42
418.75	4-M487-4	4-M487-4	4-M487-4	5056.9	1419.4	1 343.2	6 589.8	6301.0	3.52	1.42
419.00	4-M071	4-M071	4-M071	5056.7	1419.4	1 343.0	6 589.8	6300.8	3.52	1.42
419.25	4-SYS-HK	4-T025SU	2-ATM	5056.5	1419.4	1 342.9	6 589.8	6300.6	3.52	1.42
419.75	4-T027-3	4-T025-1	2-ATM	5056.1	1419.3	1 342.5	6 589.5	6300.1	3.52	1.42
420.50	4-T027-3	4-SYS-HK	2-ATM	5055.6	1419.3	1 342.0	6 589.5	6299.6	3.52	1.42
421.00	4-PH	4-PH	4-PH	5055.2	1419.3	1 341.7	6 589.3	6299.0	3.51	1.42
421.75	4-M071	4-M071	4-M071	5054.6	1419.3	1 341.2	6 587.9	6297.1	3.51	1.41
422.00	4-SLEEP	4-SLEEP	4-SLEEPH	5054.4	1419.3	1 341.0	6 587.9	6296.9	3.51	1.41
430.00	4-PH	4-PH	4-PH	5048.1	1419.0	1 335.6	6 587.9	6291.5	3.53	1.39
430.50	4-EAT	4-EAT	4-EAT	5047.7	1419.0	1 335.3	6 587.0	6290.3	3.53	1.39
431.50	4-M071	4-M071	4-M071	5046.9	1418.9	1 334.6	6 587.0	6289.6	3.53	1.39
432.00	4-M487-5	4-M487-5	4-M487-5	5046.5	1418.9	1 334.3	6 587.0	6289.2	3.53	1.39
432.25	4-SYS-HK	4-OFFDTY	4-OFFDTY	5046.3	1418.9	1 334.1	6 587.0	6289.1	3.53	1.39
433.50	4-OFFDTY	4-OFFDTY	4-OFFDTY	5045.3	1418.9	1 333.3	6 586.4	6287.7	3.53	1.38
436.00	4-EAT	4-EAT	4-EAT	5043.3	1418.8	1 331.6	6 586.4	6286.0	3.53	1.38
437.00	4-M071	4-M071	4-M071	5042.5	1418.8	1 330.9	6 586.4	6285.3	3.53	1.37
437.50	4-PH	4-PH	4-PH	5042.0	1418.7	1 330.6	6 586.4	6285.0	3.53	1.37
438.00	4-OFFDTY	4-SYS-HK	4-OFFDTY	5041.6	1418.7	1 330.2	6 585.5	6283.7	3.53	1.37
439.50	4-OFFDTY	4-OFFDTY	4-SYS-HK	5040.4	1418.7	1 329.2	6 584.8	6282.0	3.53	1.37
442.00	4-EAT	4-EAT	4-EAT	5038.3	1418.6	1 327.5	6 583.7	6279.2	3.54	1.36
443.00	4-M071	4-M071	4-M071	5037.4	1418.6	1 326.8	6 583.7	6278.6	3.54	1.36
443.25	4-PLN	4-PLN	4-PLN	5037.2	1418.5	1 326.7	6 583.7	6278.4	3.54	1.36
444.25	4-R-R	4-R-R	4-R-R	5036.4	1418.5	1 326.0	6 583.7	6277.7	3.54	1.36
445.25	4-PH	4-PH	4-PH	5035.5	1418.5	1 325.3	6 583.7	6277.0	3.54	1.35
445.75	4-M071	4-M071	4-M071	5035.1	1418.5	1 325.0	6 582.8	6275.8	3.54	1.35
446.00	4-SLEEP	4-SLEEP	4-SLEEPH	5034.9	1418.5	1 324.9	6 582.8	6275.6	3.54	1.35
454.00	4-PH	4-PH	4-PH	5028.1	1418.2	1 319.4	6 582.8	6270.2	3.56	1.33
454.25	4-M487-6	4-M487-6	4-M487-6	5027.9	1418.2	1 319.2	6 582.3	6269.6	3.56	1.33
454.50	4-EAT	4-EAT	4-EAT	5027.7	1418.2	1 319.1	6 582.3	6269.4	3.56	1.33
455.50	4-M071	4-M071	4-M071	5026.8	1418.1	1 318.4	6 582.3	6268.7	3.56	1.33
456.00	4-T027ST	4-SYS-HK	2-ATM	5026.4	1418.1	1 318.1	6 582.3	6268.4	3.57	1.33
456.50	4-T025ST	4-SYS-HK	2-ATM	5025.9	1418.1	1 317.7	6 582.1	6267.8	3.57	1.32
457.00	4-M50940	4-M509S	2-ATM	5025.5	1418.1	1 317.4	6 581.9	6267.3	3.57	1.32
458.00	4-M50940	4-M509	2-SYS-HK	5025.1	1398.1	1 316.7	6 581.9	6266.6	3.56	1.67
458.75	2-ATM	4-M131AS	4-M131AO	5025.1	1398.0	1 316.2	6 581.5	6265.7	3.55	1.67
459.25	4-T027SU	4-M131AO	4-M131AS	5025.1	1398.0	1 315.9	6 581.5	6265.4	3.54	1.67
460.00	4-EAT	4-EAT	2-EAT	5025.1	1398.0	1 315.4	6 581.5	6264.9	3.54	1.66
461.00	4-M071	4-M071	2-M071	5025.1	1398.0	1 314.7	6 581.5	6264.2	3.52	1.66
461.50	4-SYS-HK	4-PH	2-ATM	5025.0	1397.9	1 314.4	6 581.5	6263.9	3.52	1.66
462.00	4-T027-3	2-ATM	4-PH	5025.0	1397.9	1 314.0	6 581.0	6263.0	3.51	1.66
462.50	4-T027	2-ATM	4-SYS-HK	5024.9	1397.9	1 313.7	6 580.7	6262.4	3.51	1.65
463.00	4-T027	2-ATM	4-T025SU	5024.9	1397.9	1 313.3	6 580.5	6261.8	3.50	1.65
463.25	4-PH	2-ATM	4-T025-2	5024.8	1397.9	1 313.2	6 580.5	6261.6	3.50	1.65
463.50	4-SYS-HK	2-ATM	4-T025-2	5024.8	1397.9	1 313.0	6 580.3	6261.3	3.50	1.65
464.00	4-SYS-HK	2-SYS-HK	4-OPEN	5024.7	1397.9	1 312.7	6 580.1	6260.8	3.49	1.65

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TABLE 6.0-I.- Continued.

TIME	ASTRO1	ASTRO 2	ASTRO 3	O2 TANK	N2 TANK	MET-EXP H2O TANK	WMC H2O TANK	TOTAL H2O TNKS	O2 PP	N2 PP
464.50	4-M092-S	2-ATM	4-M092-0	5024.6	1397.8	1 312.3	6 579.7	6260.0	3.49	1.65
465.50	4-M093-S	2-ATM	4-M093-0	5024.3	1397.7	1 311.7	6 579.7	6259.3	3.47	1.64
466.00	4-EAT	4-EAT	4-EAT	5024.2	1397.7	1 311.3	6 579.7	6259.0	3.46	1.64
467.00	4-M071	4-M071	4-M071	5023.8	1397.7	1 310.6	6 579.7	6258.3	3.46	1.64
467.25	4-SYS-HK	4-PLN	4-PLN	5023.7	1397.6	1 310.5	6 579.7	6258.1	3.46	1.63
467.75	2-ATM	4-PLN	4-PLN	5023.6	1397.6	1 310.1	6 579.4	6257.6	3.45	1.63
468.25	2-ATM	4-R-R	4-R-R	5023.4	1397.6	1 309.8	6 579.4	6257.2	3.45	1.63
469.25	4-PH	4-PH	4-PH	5023.0	1397.6	1 309.1	6 579.4	6256.6	3.45	1.63
469.50	4-M487-6	4-M487-6	4-M487-6	5022.9	1397.6	1 309.0	6 579.0	6255.9	3.44	1.63
469.75	4-M071	4-M071	4-M071	5022.8	1397.6	1 308.8	6 579.0	6255.7	3.44	1.63
470.00	4-SLEEP	4-SLEEP	4-SLEEPM	5022.7	1397.6	1 308.6	6 579.0	6255.6	3.44	1.63
478.00	4-PH	4-PH	4-PH	5018.8	1397.3	1 303.2	6 579.0	6250.2	3.42	1.60
478.50	4-EAT	4-EAT	4-EAT	5018.5	1397.3	1 302.9	6 578.0	6248.9	3.42	1.60
479.50	4-M071	4-M071	4-M071	5017.9	1397.2	1 302.2	6 578.0	6248.2	3.41	1.60
480.00	4-M487-7	4-M487-7	4-M487-7	5017.6	1397.2	1 301.9	6 578.0	6247.9	3.41	1.60
480.25	4-T025-3	2-ATM	4-T027-3	5017.5	1397.2	1 301.7	6 578.0	6247.7	3.41	1.59
481.00	4-SYS-HK	2-ATM	4-T027ST	5017.0	1397.2	1 301.2	6 578.0	6247.2	3.41	1.59
482.25	2-ATM	4-M092-S	4-M092-0	5016.3	1397.1	1 300.3	6 577.5	6245.8	3.40	1.59
483.25	2-ATM	4-M093-S	4-M093-0	5015.6	1397.0	1 299.7	6 577.5	6245.1	3.39	1.58
484.00	2-EAT	4-EAT	4-EAT	5015.1	1397.0	1 299.2	6 577.5	6244.6	3.39	1.58
485.00	4-M071	4-M071	4-M071	5014.4	1397.0	1 298.5	6 577.5	6244.0	3.39	1.58
485.50	2-ATM	4-PH	4-PH	5014.1	1396.9	1 298.2	6 577.5	6243.6	3.39	1.57
486.00	4-PH	2-ATM	4-SYS-HK	5013.7	1396.9	1 297.8	6 574.9	6242.7	3.39	1.57
486.50	4-T025-4	2-ATM	4-SYS-HK	5013.4	1396.9	1 297.5	6 576.3	6241.8	3.39	1.57
487.25	2-SYS-HK	2-ATM	4-SYS-HK	5012.8	1396.9	1 297.0	6 576.0	6241.0	3.39	1.57
488.25	2-ATM	4-M092-0	4-M092-S	5012.1	1396.8	1 296.3	6 575.1	6239.4	3.39	1.57
489.25	2-ATM	4-M093-0	4-M093-S	5011.4	1396.7	1 295.6	6 575.1	6238.7	3.37	1.56
490.00	4-EAT	4-EAT	4-EAT	5010.8	1396.7	1 295.1	6 575.1	6238.2	3.37	1.56
491.00	4-M071	4-M071	4-M071	5010.0	1396.7	1 294.4	6 575.1	6237.5	3.38	1.55
491.25	4-PLN	2-ATM	4-PLN	5009.8	1396.7	1 294.3	6 575.1	6237.4	3.38	1.55
492.25	4-R-R	2-ATM	4-R-R	5009.1	1396.6	1 293.6	6 575.1	6236.7	3.38	1.55
493.25	4-PH	4-PH	4-PH	5008.3	1396.6	1 292.9	6 575.1	6236.0	3.38	1.55
493.75	4-M071	4-M071	4-M071	5007.9	1396.6	1 292.6	6 574.2	6234.7	3.38	1.55
494.00	4-SLEEP	4-SLEEP	4-SLEEPM	5007.7	1396.6	1 292.4	6 574.2	6234.6	3.38	1.55
502.00	4-PH	4-PH	4-PH	5001.3	1396.3	1 287.0	6 574.2	6229.2	3.39	1.52
502.50	4-EAT	4-EAT	4-EAT	5000.9	1396.3	1 286.7	6 573.2	6227.9	3.39	1.52
503.50	4-M071	4-M071	4-M071	5000.1	1396.2	1 286.0	6 573.2	6227.2	3.39	1.52
504.00	2-ATM	4-S019SU	4-SYS-HK	4999.7	1396.2	1 285.7	6 573.2	6226.9	3.39	1.52
504.50	2-ATM	4-S019-1	4-SYS-HK	4999.3	1396.2	1 285.3	6 573.0	6226.3	3.40	1.52
505.25	2-ATM	4-M131BO	4-M131BO	4998.7	1396.2	1 284.8	6 572.7	6225.5	3.40	1.51
506.25	4-M131BS	2-ATM	4-M131BO	4997.8	1396.2	1 284.1	6 572.7	6224.8	3.40	1.51
507.25	4-M131BO	2-ATM	4-M131BS	4997.0	1396.1	1 283.5	6 572.7	6224.1	3.40	1.51
508.00	4-EAT	2-EAT	4-EAT	4996.4	1396.1	1 283.0	6 572.7	6223.6	3.40	1.51
509.00	4-M071	4-M071	4-M071	4995.6	1396.1	1 282.3	6 572.7	6223.0	3.40	1.50
509.25	4-M487-8	4-M487-8	4-M487-8	4995.4	1396.1	1 282.1	6 572.7	6222.8	3.40	1.50
509.50	4-OPEN	4-PH	2-ATM	4995.1	1396.0	1 282.0	6 572.7	6222.6	3.40	1.50
510.00	4-T025-5	2-SYS-HK	2-ATM	4994.7	1396.0	1 281.6	6 572.4	6222.0	3.40	1.50
510.75	4-T025ST	4-S019-2	4-S073SU	4994.1	1396.0	1 281.1	6 572.0	6221.1	3.40	1.50
511.00	2-ATM	4-S019-2	4-S073SU	4993.9	1396.0	1 280.9	6 572.0	6221.0	3.40	1.50
511.25	2-ATM	4-SYS-HK	4-S073-6	4993.7	1396.0	1 280.8	6 572.0	6220.8	3.40	1.50

TABLE 6.0-I.- Continued.

TIME	ASTRO1	ASTRO 2	ASTRO 3	O2 TANK	N2 TANK	MET-EXP H2O TANK	WMC H2O TANK	TOTAL H2O TNKS	O2 PP	N2 PP
511.50	2-ATM	4-SYS-HK	4-PH	4993.5	1396.0	1 280.6	6 571.9	6220.5	3.40	1.50
512.25	4-PH	4-SYS-HK	4-OPEN	4992.8	1396.0	1 280.1	6 571.1	6219.2	3.40	1.49
512.80	4-SYS-HK	2-ATM	4-OPEN	4992.4	1395.9	1 279.7	6 570.5	6218.3	3.41	1.49
514.00	4-EAT	4-EAT	4-EAT	4991.4	1395.9	1 278.9	6 570.0	6216.9	3.41	1.49
515.00	4-MO71	4-MO71	4-MO71	4990.5	1395.9	1 278.2	6 570.0	6216.2	3.41	1.49
515.25	4-PLN	4-PLN	2-ATM	4990.3	1395.8	1 278.1	6 570.0	6216.1	3.41	1.48
516.25	4-R-R	4-R-R	2-ATM	4989.5	1395.8	1 277.4	6 570.0	6215.4	3.41	1.48
517.25	4-PH	4-PH	4-PH	4988.6	1395.8	1 276.7	6 570.0	6214.7	3.41	1.48
517.75	4-MO71	4-MO71	4-MO71	4988.2	1395.8	1 276.4	6 569.1	6213.5	3.41	1.48
518.00	4-SLEEP	4-SLEEP	4-SLEEP	4988.0	1395.8	1 276.2	6 569.1	6213.3	3.42	1.48
526.00	4-PH	4-PH	4-PH	4981.1	1395.5	1 270.8	6 569.1	6207.9	3.44	1.46
526.50	4-EAT	4-EAT	4-EAT	4980.7	1395.5	1 270.5	6 568.1	6206.6	3.44	1.45
527.50	4-MO71	4-MO71	4-MO71	4979.8	1395.4	1 269.8	6 568.1	6205.9	3.44	1.45
528.00	2-ATM	4-OPEN	4-SO09-1	4979.4	1395.4	1 269.5	6 568.1	6205.6	3.44	1.45
528.25	2-ATM	4-OPEN	4-SO73-6	4979.2	1395.4	1 269.3	6 568.1	6205.4	3.44	1.45
528.50	2-ATM	4-OPEN	4-SYS-HK	4979.0	1395.4	1 269.1	6 568.1	6205.3	3.44	1.45
529.25	2-ATM	4-SO19-3	4-SYS-HK	4978.3	1395.4	1 268.6	6 567.8	6204.4	3.44	1.45
530.00	2-ATM	2-SYS-HK	4-SYS-HK	4977.7	1395.4	1 268.1	6 567.5	6203.6	3.45	1.44
530.50	2-ATM	4-M131AS	4-M131AO	4977.3	1395.3	1 267.8	6 567.0	6202.8	3.45	1.44
531.25	2-ATM	4-M131AO	4-M131AS	4976.6	1395.3	1 267.3	6 567.0	6202.3	3.45	1.44
532.00	4-EAT	4-EAT	2-EAT	4976.0	1395.3	1 266.8	6 567.0	6201.8	3.45	1.44
533.00	4-MO71	4-MO71	4-MO71	4975.1	1395.3	1 266.1	6 567.0	6201.1	3.45	1.44
533.50	2-ATM	4-T003-2	4-SO73-6	4974.7	1395.2	1 265.8	6 567.0	6200.8	3.45	1.43
534.16	4-PH	4-SO19-4	4-SO73-6	4974.1	1395.2	1 265.3	6 567.0	6200.3	3.45	1.43
534.50	2-ATM	4-PH	4-SO73-6	4973.8	1395.2	1 265.1	6 566.8	6199.9	3.45	1.43
535.10	2-ATM	4-SYS-HK	4-PH	4973.3	1395.2	1 264.7	6 566.4	6199.1	3.45	1.43
535.75	4-M092-S	2-ATM	4-M092-0	4972.7	1395.2	1 264.2	6 565.7	6198.0	3.46	1.43
537.00	4-M171-S	4-SYS-HK	4-M171-0	4971.6	1395.0	1 263.4	6 565.7	6197.1	3.45	1.42
538.00	4-EAT	4-EAT	4-EAT	4970.7	1394.9	1 262.7	6 565.3	6196.0	3.45	1.42
538.75	4-EAT	4-EAT	4-T003-3	4970.0	1394.9	1 262.2	6 565.3	6195.5	3.45	1.42
539.00	4-MO71	4-MO71	4-MO71	4969.8	1394.9	1 262.0	6 565.3	6195.3	3.45	1.42
539.25	2-ATM	4-PLN	4-PLN	4969.5	1394.9	1 261.9	6 565.3	6195.2	3.45	1.42
540.25	4-R-R	4-R-R	4-R-R	4968.6	1394.8	1 261.2	6 565.3	6194.5	3.45	1.41
541.00	4-M487-9	4-M487-9	4-M487-9	4968.0	1394.8	1 260.7	6 565.3	6194.0	3.46	1.41
541.25	4-PH	4-PH	4-PH	4967.7	1394.8	1 260.5	6 565.3	6193.8	3.46	1.41
541.75	4-MO71	4-MO71	4-MO71	4967.3	1394.8	1 260.2	6 564.4	6192.6	3.46	1.41
542.00	4-SLEEP	4-SLEEP	4-SLEEPM	4967.0	1394.8	1 260.0	6 564.4	6192.4	3.46	1.41
550.00	4-PH	4-PH	4-PH	4959.8	1394.5	1 254.6	6 564.4	6187.0	3.49	1.39
550.50	4-EAT	4-EAT	4-EAT	4959.4	1394.5	1 254.3	6 563.4	6185.7	3.49	1.39
551.50	4-MO71	4-MO71	4-MO71	4958.5	1394.5	1 253.6	6 563.4	6185.0	3.49	1.38
552.00	2-ATM	4-OPEN	4-SO73ST	4958.0	1394.5	1 253.3	6 563.4	6184.7	3.49	1.38
552.75	2-ATM	4-SO19-5	4-SYS-HK	4957.4	1394.4	1 252.8	6 563.4	6184.2	3.49	1.38
553.25	2-ATM	4-OPEN	4-SYS-HK	4956.9	1394.4	1 252.4	6 563.2	6183.6	3.49	1.38
554.00	2-ATM	4-M092-S	4-M092-0	4956.3	1394.4	1 251.9	6 562.9	6182.8	3.49	1.38
555.00	2-ATM	4-M171-S	4-M171-0	4955.3	1394.3	1 251.2	6 562.9	6182.1	3.48	1.37
556.00	2-EAT	4-EAT	4-EAT	4954.4	1394.2	1 250.6	6 562.9	6181.4	3.49	1.37
557.00	2-ATM	4-MO71	4-MO71	4953.5	1394.1	1 249.9	6 562.9	6180.8	3.49	1.37
557.50	4-MO71	4-SO19	2-ATM	4953.0	1394.1	1 249.6	6 562.9	6180.4	3.49	1.37
558.00	4-PH	4-SO19ST	2-ATM	4952.5	1394.1	1 249.2	6 562.9	6180.1	3.49	1.37
558.50	4-SYS-HK	4-S149-1	2-ATM	4952.1	1394.1	1 248.9	6 562.6	6179.4	3.49	1.36

TABLE 6.0-I.- Continued.

TIME	ASTRO1	ASTRO 2	ASTRO 3	O2 TANK	N2 TANK	MET-EXP H2O TANK	WMC H2O TANK	TOTAL H2O TNKS	O2 PP	N2 PP
559.00	4-SYS-HK	4-PH	2-ATM	4951.6	1394.1	1 248.5	6 562.3	6178.9	3.49	1.36
559.50	2-ATM	4-SYS-HK	4-PH	4951.1	1394.0	1 248.2	6 561.8	6178.0	3.50	1.36
560.00	2-ATM	4-MD92-O	4-MD92-S	4950.7	1394.0	1 247.9	6 561.3	6177.1	3.50	1.36
561.00	2-ATM	4-M171-O	4-M171-S	4949.7	1393.9	1 247.2	6 561.3	6176.5	3.49	1.36
562.00	4-EAT	4-EAT	4-EAT	4948.8	1393.8	1 246.5	6 561.3	6175.8	3.49	1.35
563.00	4-MO71	4-MO71	4-MO71	4947.8	1393.8	1 245.8	6 561.3	6175.1	3.49	1.35
563.25	4-SYS-HK	2-ATM	4-PLN	4947.6	1393.7	1 245.7	6 561.3	6174.9	3.49	1.35
564.25	4-SYS-HK	2-ATM	4-R-R	4946.6	1393.7	1 245.0	6 560.8	6173.8	3.50	1.35
565.25	4-PH	4-PH	4-PH	4945.7	1393.7	1 244.3	6 560.4	6172.7	3.50	1.35
565.75	4-MO71	4-MO71	4-MO71	4945.2	1393.7	1 244.0	6 559.5	6171.4	3.50	1.34
566.00	4-SLEEP	4-SLEEP	4-SLEEP	4944.9	1393.6	1 243.8	6 559.5	6171.3	3.50	1.34
574.00	4-PH	4-PH	4-PH	4937.4	1393.4	1 238.4	6 559.5	6165.9	3.54	1.32
574.50	4-EAT	4-EAT	4-EAT	4937.0	1393.4	1 238.1	6 558.5	6164.6	3.54	1.32
575.50	4-MO71	4-MO71	4-MO71	4936.0	1393.3	1 237.4	6 558.5	6163.9	3.54	1.32
576.00	4-SYS-HK	4-OFFDTY	4-OFFDTY	4935.6	1393.3	1 237.1	6 558.5	6163.6	3.54	1.32
577.50	4-OFFDTY	4-OFFDTY	4-OFFDTY	4934.2	1393.3	1 236.1	6 557.9	6161.9	3.54	1.32
580.00	4-EAT	4-EAT	4-EAT	4931.9	1393.2	1 234.4	6 557.9	6160.2	3.55	1.31
581.00	4-MO71	4-MO71	4-MO71	4930.9	1393.1	1 233.7	6 557.9	6159.5	3.55	1.31
581.50	4-PH	4-PH	4-PH	4930.5	1393.1	1 233.4	6 557.9	6159.2	3.55	1.31
582.00	4-OFFDTY	4-SYS-HK	4-OFFDTY	4930.0	1393.1	1 233.0	6 556.9	6157.9	3.55	1.30
583.50	4-OFFDTY	4-OFFDTY	4-SYS-HK	4928.6	1393.1	1 232.0	6 556.3	6156.3	3.56	1.30
585.00	4-EAT	4-EAT	4-EAT	4927.2	1393.0	1 231.0	6 555.6	6154.6	3.56	1.30
586.00	4-MO71	4-MO71	4-MO71	4926.3	1393.0	1 230.3	6 555.6	6153.9	3.56	1.29
586.25	4-PLN	4-PLN	4-PLN	4926.1	1393.0	1 230.1	6 555.6	6153.7	3.56	1.29
587.25	4-R-R	4-R-R	4-R-R	4925.1	1392.9	1 229.5	6 555.6	6153.1	3.57	1.29
588.25	4-PH	4-PH	4-PH	4924.2	1392.9	1 228.8	6 555.6	6152.4	3.57	1.29
588.75	4-MO71	4-MO71	4-MO71	4923.7	1392.9	1 228.5	6 554.7	6151.1	3.57	1.29
589.00	4-SLEEP	4-SLEEP	4-SLEEP	4923.5	1392.9	1 228.3	6 554.7	6150.9	3.57	1.29
597.00	4-PH	4-PH	4-PH	4916.2	1392.6	1 222.9	6 554.7	6145.5	3.60	1.27
597.50	4-EAT	4-EAT	4-EAT	4915.7	1392.6	1 222.6	6 553.7	6144.3	3.60	1.27
598.50	4-MO71	4-MO71	4-MO71	4914.8	1392.6	1 221.9	6 553.7	6143.6	3.60	1.26
599.00	3-EVAPRP	3-EVAPRP	4-SYS-HK	4914.3	1392.5	1 221.5	6 553.7	6143.3	3.60	1.26
600.00	3-HDWPRP	3-HDWPRP	4-SYS-HK	4913.4	1392.5	1 220.9	6 553.3	6142.1	3.60	1.26
600.50	3-DONSUT	3-DONSUT	4-SYS-HK	4913.0	1392.5	1 220.5	6 553.1	6141.6	3.60	1.26
600.75	3-SUTACT	3-SUTACT	4-SYS-HK	4912.7	1392.5	1 220.4	6 552.9	6141.3	3.60	1.26
601.33	3-EGRESS	3-EGRESS	2-SYS-HK	4901.9	1392.5	1 220.0	6 552.7	6140.7	3.76	1.26
601.66	3-EVA	3-EVA	2-EVAMON	4895.7	1392.4	1 219.7	6 552.5	6140.3	3.76	1.26
603.75	3-INGRES	3-INGRES	2-EVAMON	4857.0	1392.4	1 218.3	6 552.5	6138.9	3.75	1.26
604.25	3-DESUIT	3-DESUIT	2-EVAMON	4847.7	1392.4	1 218.0	6 552.5	6138.5	3.75	1.25
604.42	2-PSTEVA	2-PSTEVA	2-EVAATM	4847.6	1392.4	1 217.9	6 552.5	6138.4	3.71	1.23
605.50	2-PSTEVA	2-LSU	2-EVAATM	4846.8	1392.3	1 217.2	6 552.5	6137.7	3.70	1.23
606.00	2-PSTEVA	2-PCU	2-EVAATM	4846.4	1392.1	1 182.0	6 552.5	6102.6	3.70	1.23
606.25	2-PSTEVA	2-LCG	2-EVAATM	4846.2	1392.1	1 181.8	6 552.5	6102.4	3.69	1.23
606.50	4-EAT	4-EAT	4-EAT	4846.0	1392.1	1 181.7	6 552.5	6102.2	3.69	1.23
607.50	4-MO71	4-MO71	4-MO71	4845.2	1392.1	1 181.0	6 552.5	6101.5	3.69	1.23
607.75	4-PLN	4-PLN	4-PLN	4845.0	1392.1	1 180.8	6 552.5	6101.4	3.69	1.23
608.95	4-R-R	4-R-R	4-R-R	4844.0	1392.0	1 180.0	6 552.5	6100.6	3.69	1.22
609.75	4-MO71	4-MO71	4-MO71	4843.4	1392.0	1 179.5	6 552.5	6100.0	3.69	1.22
610.00	4-SLEEP	4-SLEEP	4-SLEEP	4843.2	1392.0	1 179.3	6 552.5	6099.9	3.69	1.22
618.00	4-PH	4-PH	4-PH	4836.7	1391.8	1 173.9	6 552.5	6094.5	3.71	1.20

TABLE 6.0 - I. - Continued.

TIME	ASTRO1	ASTRO 2	ASTRO 3	O2 TANK	N2 TANK	MET-EXP H2O TANK	WMC H2O TANK	TOTAL H2O TNKS	O2 PP	N2 PP
618.50	4-EAT	4-EAT	4-EAT	4836.3	1391.7	1 173.6	6 551.6	6093.2	3.71	1.20
619.50	4-M071	4-M071	4-M071	4835.4	1391.7	1 172.9	6 551.6	6092.5	3.71	1.20
620.00	4-OPEN	4-OPEN	4-OPEN	4835.0	1391.7	1 172.6	6 551.6	6092.2	3.71	1.20
620.30	4-M074	4-OPEN	4-OPEN	4834.8	1391.7	1 172.4	6 551.6	6092.0	3.71	1.20
620.90	4-M172	4-OPEN	4-OPEN	4834.3	1391.7	1 172.0	6 551.6	6091.6	3.71	1.20
621.20	4-OPEN	4-OPEN	4-OPEN	4834.0	1391.6	1 171.8	6 551.6	6091.4	3.71	1.20
622.00	4-FOOD	4-FOOD	4-OPEN	4833.4	1391.6	1 171.2	6 551.6	6090.8	3.71	1.19
622.50	4-SEPPRP	4-SEPPRP	4-SEPPRP	4833.0	1391.6	1 170.9	6 551.6	6090.5	3.71	1.19
622.70	4-EREP	4-EREP	4-INVTRY	4832.8	1391.6	1 170.7	6 551.6	6090.4	3.71	1.19
623.00	4-EAT	4-EAT	4-EAT	4832.5	1391.6	1 170.5	6 551.6	6090.1	3.71	1.19
624.00	4-M071	4-M071	4-M071	4831.7	1391.6	1 169.9	6 551.6	6089.5	3.71	1.19
624.50	4-EXPDOF	4-EXPDOF	4-INVTRY	4831.3	1391.5	1 169.5	6 551.6	6089.1	3.71	1.19
627.00	4-PH	4-PH	4-PH	4829.2	1391.5	1 167.8	6 551.6	6087.4	3.71	1.18
627.50	4-EAT	4-EAT	4-EAT	4828.7	1391.4	1 167.5	6 550.7	6086.2	3.71	1.18
628.50	4-M071	4-M071	4-M071	4827.9	1391.4	1 166.8	6 550.7	6085.5	3.71	1.18
628.75	4-PLN	4-PLN	4-S149ST	4827.7	1391.4	1 166.7	6 550.7	6085.3	3.71	1.18
629.25	4-PLN	4-PLN	4-S149SU	4827.3	1391.4	1 166.3	6 550.7	6085.0	3.71	1.18
630.00	4-R-R	4-R-R	4-R-R	4826.6	1391.4	1 165.8	6 550.7	6084.5	3.72	1.18
630.75	4-M071	4-M071	4-M071	4826.0	1391.3	1 165.3	6 550.7	6084.0	3.72	1.17
631.00	4-SLEEP	4-SLEEP	4-SLEEP	4825.7	1391.3	1 165.1	6 550.7	6083.8	3.72	1.17
639.00	4-PH	4-PH	4-PH	4818.9	1391.1	1 159.7	6 550.7	6078.4	3.74	1.16
639.50	4-EAT	4-EAT	4-EAT	4818.4	1391.0	1 159.4	6 549.7	6077.1	3.74	1.15
640.50	4-M071	4-M071	4-M071	4817.6	1391.0	1 158.7	6 549.7	6076.5	3.74	1.15
641.00	4-SYS-HK	4-DEACT2	4-DEWMS	4817.1	1391.0	1 158.4	6 549.7	6076.1	3.74	1.15
641.75	4-DEMOLS	4-TRASH	4-CMPOTW	4816.5	1391.0	1 157.9	6 549.4	6075.3	3.74	1.15
642.30	4-WSBLOW	4-DEWMS	4-DEH20	4816.0	1390.9	1 139.5	6 549.4	6056.9	3.74	1.15
643.30	4-DEMOLS	4-DEACT2	4-DEACT2	4815.1	1390.7	1 117.0	6 549.4	6034.4	3.74	1.15
644.00	4-EAT	4-EAT	4-EAT	4814.5	1390.7	1 117.0	6 549.4	6034.4	3.74	1.14
645.00	4-DEACT2	4-WASTE	4-URINE	4813.6	1390.7	1 117.0	6 549.4	6034.4	3.74	1.14
646.00	4-P51IMU	4-P51IMU	4-P51IMU	4812.8	1390.6	1 117.0	6 549.4	6034.4	3.74	1.14
646.60	4-SYSCK	4-SYSCK	4-DEMOLS	4812.2	1390.6	1 117.0	6 549.4	6034.4	3.74	1.14
647.60	4-P52IMU	4-P52IMU	4-P52IMU	4811.4	1390.6	1 117.0	6 549.4	6034.4	3.75	1.14
648.00	4-OPEN	4-OPEN	4-DEMOLS	4811.0	1390.6	1 117.0	6 549.4	6034.4	3.75	1.14
649.00	4-EAT	4-EAT	4-EAT	4810.1	1390.6	1 117.0	6 549.4	6034.4	3.75	1.13
650.00	4-PLN	4-PLN	4-PLN	4809.3	1390.6	1 117.0	6 549.4	6034.4	3.75	1.13
651.30	4-PLN	4-PLN	4-TRASH	4808.1	1390.6	1 117.0	6 549.4	6034.4	3.76	1.13
652.00	4-SLEEP	4-SLEEP	4-SLEEP	4807.5	1390.6	1 117.0	6 549.4	6034.4	3.76	1.13
660.00	4-EAT	4-EAT	4-EAT	4800.7	1390.6	1 117.0	6 549.4	6034.4	3.79	1.11
660.60	4-OPEN	4-DEACT2	4-DETCS	4800.2	1390.6	1 117.0	6 549.4	6034.4	3.79	1.11
661.00	4-OPEN	4-TRASH	4-LIGHTS	4799.8	1390.6	1 117.0	6 549.4	6034.4	3.79	1.11
661.30	1-HEAT	4-PLUG	4-PANEL	4799.6	1390.6	1 117.0	6 549.4	6034.4	3.79	1.11
661.40	1-OPEN	2-DELOCK	2-DELOCK	4799.5	1390.6	1 117.0	6 549.4	6034.4	3.79	1.11
661.90	1-OPEN	2-DEACT1	2-DEACT1	4799.1	1390.6	1 117.0	6 549.4	6034.4	3.79	1.11
662.00	1-SYSCK	2-DEACT1	2-DECOND	4799.0	1390.6	1 117.0	6 549.4	6034.4	3.79	1.11
662.50	2-EPS	2-ATM/AM	2-ATM/AM	4798.6	1390.6	1 117.0	6 549.4	6034.4	3.79	1.11
662.75	2-EPS	2-ATM/AM	2-O2/N2	4798.4	1390.6	1 117.0	6 549.4	6034.4	3.79	1.11
663.00	2-DONSUT	2-DONSUT	2-DONSUT	4798.4	1390.6	1 117.0	6 549.4	6034.4	3.79	1.11
663.20	2-P62IMU	2-DONSUT	2-OPEN	4798.4	1390.6	1 117.0	6 549.4	6034.4	3.79	1.10
663.60	2-P52IMU	2-C/W	2-OPEN	4798.4	1390.6	1 117.0	6 549.4	6034.4	3.78	1.10
663.90	1-CHECK	1-PANEL	1-C/W	4798.4	1390.6	1 117.0	6 549.4	6034.4	3.78	1.10

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TABLE 6.0-I.- Concluded.

TIME	ASTRO1	ASTRO 2	ASTRO 3	O2 TANK	N2 TANK	MET-EXP H2O TANK	WMC H2O TANK	TOTAL H2O TNKS	O2 PP	N2 PP
664.00	1-DEACT1	1-DEACT1	1-DEACT1	4798.4	1390.6	1 117.0	6 549.4	6034.4	3.78	1.10
664.50	1-DEACT1	1-HATCH1	1-DEACT1	4798.4	1390.6	1 117.0	6 549.4	6034.4	3.77	1.10
664.70	1-P521MU	1-P521MU	1-P521MU	4798.4	1390.6	1 117.0	6 549.4	6034.4	3.77	1.10
665.00	1-UNDOCK	1-UNDOCK	1-UNDOCK	4798.4	1390.6	1 117.0	6 549.4	6034.4	3.77	1.10
666.30	1-SEP	1-SEP	1-SEP	4798.4	1390.6	1 117.0	6 549.4	6034.4	3.76	1.10

TABLE 6.0-II.- ECS MASS PROPERTIES SUMMARY - SKYLAB 3

TIME	ASTRO1	ASTRO 2	ASTRO 3	O2 TANK	N2 TANK	MET-EXP H2O TANK	WMC H2O TANK	TOTAL H2O TNKS	O2 PP	N2 PP
-23.50	1-DUMMY	1-DUMMY	1-DUMMY	4797.1	1390.1	1 117.0	6 549.4	6034.4	1.65	.48
-22.40	1-DUMMY	1-DUMMY	1-DUMMY	4797.1	1390.1	1 117.0	6 549.4	6034.4	1.64	.48
-13.35	1-DUMMY	1-DUMMY	1-DUMMY	4660.6	1348.2	1 117.0	6 549.4	6034.4	3.76	1.22
-12.25	1-DUMMY	1-DUMMY	1-DUMMY	4660.6	1348.2	1 117.0	6 549.4	6034.4	3.75	1.22
8.40	1-DOCK	1-DOCK	1-DOCK	4659.2	1347.8	1 117.0	6 549.4	6034.4	3.66	1.19
8.90	1-EAT	1-EAT	1-EAT	4659.2	1347.8	1 117.0	6 549.4	6034.4	3.66	1.19
9.20	1-EXPDOF	1-EXPDOF	1-EXPDOF	4659.2	1347.8	1 117.0	6 549.4	6034.4	3.66	1.19
9.50	1-M071	1-M071	1-M071	4659.2	1347.8	1 117.0	6 549.4	6034.4	3.66	1.19
10.00	1-MDAVNT	1-MDAVNT	1-MDAVNT	4659.2	1347.8	1 117.0	6 549.4	6034.4	3.66	1.19
10.20	1-CSMMDA	1-CSMMDA	1-CSMMDA	4659.2	1347.8	1 117.0	6 549.4	6034.4	3.65	1.19
10.40	2-HATCH1	2-HATCH1	2-HATCH1	4659.2	1347.8	1 117.0	6 549.4	6034.4	3.69	1.16
10.60	2-PLUG	2-PLUG	2-PLUG	4659.0	1347.8	1 117.0	6 549.4	6034.4	3.69	1.16
10.80	2-ENTRY	2-ENTRY	2-ENTRY	4658.8	1347.8	1 117.0	6 549.4	6034.4	3.69	1.16
11.00	2-STSACT	2-STSACT	2-STSACT	4658.6	1347.8	1 117.0	6 549.4	6034.4	3.69	1.16
11.20	2-CSMPWR	2-CSMPWR	2-CSMPWR	4658.4	1347.8	1 117.0	6 549.4	6034.4	3.69	1.16
11.40	2-COMACT	2-COMACT	2-COMACT	4658.2	1347.8	1 117.0	6 549.4	6034.4	3.69	1.15
11.60	2-EPS	2-EPS	2-EPS	4658.0	1347.8	1 117.0	6 549.4	6034.4	3.69	1.15
11.80	2-HEAT	2-HEAT	2-HEAT	4657.8	1347.8	1 117.0	6 549.4	6034.4	3.69	1.15
12.00	2-C/W	2-C/W	2-C/W	4657.7	1347.8	1 117.0	6 549.4	6034.4	3.69	1.15
12.20	2-MOL-S	2-MOL-S	2-MOL-S	4657.5	1347.8	1 117.0	6 549.4	6034.4	3.70	1.15
12.40	2-O2/N2	2-O2/N2	2-O2/N2	4657.3	1347.8	1 117.0	6 549.4	6034.4	3.70	1.15
12.60	2-COND	2-COND	2-COND	4657.1	1347.8	1 117.0	6 549.4	6034.4	3.70	1.15
12.80	3-AMACT	3-AMACT	3-AMACT	4656.9	1347.8	1 117.0	6 549.4	6034.4	3.70	1.15
13.00	3-AMAFT	3-AMAFT	3-AMAFT	4656.7	1347.8	1 117.0	6 549.4	6034.4	3.70	1.15
13.50	1-EAT	1-EAT	1-EAT	4656.2	1347.7	1 117.0	6 549.4	6034.4	3.70	1.15
14.60	1-M071	1-M071	1-M071	4655.3	1347.7	1 117.0	6 549.4	6034.4	3.70	1.15
15.00	4-ACTIV2	4-ACTIV2	4-ACTIV2	4654.8	1347.7	1 117.0	6 549.4	6034.4	3.70	1.15
15.10	4-LIGHTS	4-LIGHTS	4-LIGHTS	4654.7	1347.7	1 117.0	6 549.4	6034.4	3.70	1.15
15.20	4-AM/OWS	4-AM/OWS	4-AM/OWS	4654.6	1347.7	1 117.0	6 549.4	6034.4	3.70	1.15
15.40	4-PLUG	4-PLUG	4-PLUG	4654.4	1347.7	1 117.0	6 549.4	6034.4	3.70	1.15
15.50	4-DUCT	4-DUCT	4-DUCT	4654.3	1347.7	1 117.0	6 549.4	6034.4	3.70	1.15
15.60	4-AMFLOW	4-AMFLOW	4-AMFLOW	4654.2	1347.7	1 117.0	6 549.4	6034.4	3.70	1.15
15.70	4-EPS	4-EPS	4-EPS	4654.1	1347.7	1 117.0	6 549.4	6034.4	3.70	1.15
15.80	4-ENTRY	4-ENTRY	4-ENTRY	4654.1	1347.7	1 117.0	6 549.4	6034.4	3.70	1.15
15.90	4-CNTRLP	4-CNTRLP	4-CNTRLP	4654.0	1347.7	1 117.0	6 549.4	6034.4	3.70	1.14
16.00	4-TCS	4-TCS	4-TCS	4653.9	1347.7	1 117.0	6 549.4	6034.4	3.70	1.14
16.10	4-CHECK	4-CHECK	4-CHECK	4653.8	1347.7	1 117.0	6 549.4	6034.4	3.70	1.14
16.20	4-C/W	4-C/W	4-C/W	4653.7	1347.7	1 117.0	6 549.4	6034.4	3.70	1.14
16.30	4-PANEL	4-PANEL	4-PANEL	4653.6	1347.7	1 117.0	6 549.4	6034.4	3.70	1.14
16.40	4-WMS	4-WMS	4-WMS	4653.5	1347.6	1 117.0	6 549.4	6034.4	3.70	1.14
16.50	4-H2OACT	4-H2OACT	4-H2OACT	4653.4	1347.6	1 117.0	6 549.4	6034.4	3.70	1.14
16.60	4-LAUNCH	4-LAUNCH	4-WSBACT	4653.3	1347.6	1 116.9	6 549.4	6034.4	3.70	1.14
16.70	4-FOOD	4-FOOD	4-PORH2O	4653.2	1347.5	1 89.9	6 549.4	6007.3	3.71	1.14
16.80	4-OWSTRN	4-OWSTRN	4-OWSTRN	4653.1	1347.4	10 662.8	6 549.4	5980.2	3.71	1.14
16.90	4-ATMACT	4-ATMACT	4-ATMACT	4653.0	1347.4	10 662.7	6 549.4	5980.2	3.71	1.14
17.00	4-EAT	4-EAT	4-EAT	4652.9	1347.4	10 662.7	6 549.4	5980.1	3.71	1.14
18.00	4-M071	4-M071	4-M071	4652.0	1347.3	10 662.0	6 549.4	5979.4	3.71	1.14
18.50	4-PH	4-PH	4-PH	4651.5	1347.3	10 661.7	6 549.4	5979.1	3.71	1.14
19.00	4-SLEEP	4-SLEEP	4-SLEEP	4651.0	1347.3	10 661.3	6 548.5	5977.8	3.71	1.14
27.00	4-PH	4-PH	4-PH	4643.5	1347.0	10 655.9	6 548.5	5972.4	3.74	1.12

TABLE 6.0-II.- Continued.

TIME	ASTRO1	ASTRO 2	ASTRO 3	O2 TANK	N2 TANK	MET-EXP H2O TANK	WMC H2O TANK	TOTAL H2O TNKS	O2 PP.	N2 PP
27.50	4-EAT	4-EAT	4-EAT	4643.1	1347.0	10 655.6	6 547.5	5971.1	3.74	1.12
28.50	4-M071	4-M071	4-M071	4642.1	1347.0	10 654.9	6 547.5	5970.5	3.74	1.12
29.00	2-ATM	4-S149ST	4-EXPPRP	4641.7	1347.0	10 654.6	6 547.5	5970.1	3.74	1.12
29.50	2-ATM	4-T027SU	4-EXPPRP	4641.2	1347.0	10 654.2	6 547.5	5969.8	3.74	1.12
30.00	2-ATM	4-SYS-HK	4-M074	4640.8	1346.9	10 653.9	6 547.5	5969.4	3.75	1.11
30.50	2-ATM	4-SYS-HK	4-M172	4640.3	1346.9	10 653.6	6 547.3	5968.9	3.75	1.11
31.00	2-ATM	4-M092-S	4-M092-O	4639.8	1346.9	10 653.2	6 547.1	5968.3	3.75	1.11
32.00	2-ATM	4-M171-S	4-M171-O	4638.9	1346.8	10 652.6	6 547.1	5967.6	3.74	1.11
33.00	4-EAT	4-EAT	4-EAT	4637.9	1346.7	10 651.9	6 547.1	5967.0	3.74	1.11
34.00	4-M071	4-M071	4-M071	4637.0	1346.6	10 651.2	6 547.1	5966.3	3.74	1.11
34.50	4-PH	4-PH	4-PH	4636.5	1346.6	10 650.9	6 547.1	5966.0	3.74	1.10
35.00	4-T003-1	4-OPEN	4-SYS-HK	4636.0	1346.6	10 650.5	6 546.2	5964.7	3.74	1.10
35.75	2-ATM	4-T027-2	4-SYS-HK	4635.3	1346.6	10 650.0	6 545.8	5963.8	3.75	1.10
37.00	2-ATM	4-M092-O	4-M092-S	4634.1	1346.5	10 649.2	6 545.3	5962.5	3.75	1.10
38.00	2-ATM	4-M171-O	4-M171-S	4633.1	1346.4	10 648.5	6 545.3	5961.8	3.74	1.09
39.00	4-EAT	4-EAT	4-EAT	4632.2	1346.3	10 647.8	6 545.3	5961.1	3.74	1.09
40.00	4-M071	4-M071	4-M071	4631.2	1346.3	10 647.2	6 545.3	5960.4	3.74	1.09
40.25	4-PLN	4-PLN	4-PLN	4630.9	1346.3	10 647.0	6 545.3	5960.3	3.75	1.09
41.25	4-R-R	4-R-R	4-R-R	4630.0	1346.2	10 646.3	6 545.3	5959.6	3.75	1.09
42.25	4-PH	4-PH	4-PH	4629.0	1346.2	10 645.6	6 545.3	5958.9	3.75	1.09
42.75	4-M071	4-M071	4-M071	4628.5	1346.2	10 645.3	6 544.3	5957.6	3.75	1.09
43.00	4-SLEEP	4-SLEEP	4-SLEEP	4628.3	1346.2	10 645.1	6 544.3	5957.5	3.75	1.09
51.00	4-PH	4-PH	4-PH	4620.7	1345.9	10 639.7	6 544.3	5952.1	3.78	1.07
51.50	4-EAT	4-EAT	4-EAT	4620.2	1345.9	10 639.4	6 543.4	5950.8	3.78	1.07
52.50	4-M071	4-M071	4-M071	4619.2	1345.9	10 638.7	6 543.4	5950.1	3.79	1.07
53.00	4-OPEN	4-OPEN	4-SYS-HK	4618.8	1345.8	10 638.4	6 543.4	5949.8	3.79	1.07
54.00	4-EREPDP	4-M131AS	4-M131AO	4617.8	1345.8	10 637.7	6 543.0	5948.7	3.79	1.06
54.75	4-EREPDP	4-M131AO	4-M131AS	4617.1	1345.8	10 637.2	6 543.0	5948.2	3.79	1.06
55.25	4-EREPDP	4-EREP	4-EREP	4616.7	1345.8	10 636.9	6 543.0	5947.8	3.79	1.06
56.00	4-OPEN	4-SYS-HK	4-OPEN	4616.0	1345.7	10 636.4	6 543.0	5947.3	3.80	1.06
57.00	4-EAT	4-EAT	4-EAT	4615.0	1345.7	10 635.7	6 542.5	5946.2	3.80	1.06
58.00	4-M071	4-M071	4-M071	4614.3	1345.6	10 635.0	6 542.5	5945.5	3.80	1.06
58.50	4-PH	4-OPEN	4-PH	4614.3	1345.0	10 634.7	6 542.5	5945.2	3.79	1.07
59.00	4-SYS-HK	4-T027-2	4-OPEN	4614.3	1344.5	10 634.3	6 541.9	5944.2	3.79	1.07
60.00	4-SYS-HK	4-PH	4-OPEN	4614.3	1343.6	10 633.7	6 541.5	5943.1	3.77	1.09
60.50	4-SYS-HK	4-OPEN	4-OPEN	4614.3	1343.1	10 633.3	6 540.9	5942.2	3.77	1.09
61.00	4-M092-S	4-OPEN	4-M092-O	4614.3	1342.6	10 633.0	6 540.7	5941.7	3.76	1.10
62.00	4-M171-S	4-SYS-HK	4-M171-O	4614.3	1341.5	10 632.3	6 540.7	5941.0	3.74	1.11
63.00	4-EAT	4-EAT	4-EAT	4614.3	1340.5	10 631.6	6 540.3	5939.9	3.72	1.13
64.00	4-M071	4-M071	4-M071	4614.3	1339.5	10 631.0	6 540.3	5939.2	3.71	1.14
64.25	4-PLN	4-PLN	4-PLN	4614.3	1339.3	10 630.8	6 540.3	5939.0	3.71	1.15
65.25	4-R-R	4-R-R	4-R-R	4614.3	1338.3	10 630.1	6 540.3	5938.4	3.70	1.16
66.25	4-PH	4-PH	4-PH	4614.3	1337.3	10 629.4	6 540.3	5937.7	3.69	1.17
66.75	4-M071	4-M071	4-M071	4614.3	1336.9	10 629.1	6 539.3	5936.4	3.68	1.18
67.00	4-SLEEP	4-SLEEP	4-SLEEP	4614.3	1336.6	10 628.9	6 539.3	5936.2	3.68	1.18
75.00	4-PH	4-PH	4-PH	4613.7	1329.7	10 623.5	6 539.3	5930.8	3.60	1.28
75.50	4-EAT	4-EAT	4-EAT	4613.3	1329.7	10 623.2	6 538.4	5929.6	3.60	1.28
76.50	4-M071	4-M071	4-M071	4612.4	1329.7	10 622.5	6 538.4	5928.9	3.60	1.28
77.00	3-EVAPRP	3-EVAPRP	4-SYS-HK	4612.0	1329.6	10 622.2	6 538.4	5928.6	3.60	1.28
78.00	3-HDWPRP	3-HDWPRP	4-SYS-HK	4611.1	1329.6	10 621.5	6 537.9	5927.4	3.60	1.27

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TABLE 6.0-Ⅱ.- Continued.

TIME	ASTRO1	ASTRO 2	ASTRO 3	O2 TANK	N2 TANK	MET-EXP H2O TANK	WMC H2O TANK	TOTAL H2O TNKS	O2 PP	N2 PP
78.50	3-DONSUT	3-DONSUT	4-SYS-HK	4610.7	1329.6	10 621.2	6 537.7	5926.9	3.60	1.27
78.75	3-SUTACT	3-SUTACT	4-SYS-HK	4610.4	1329.6	10 621.0	6 537.6	5926.6	3.60	1.27
79.33	3-EGRESS	3-EGRESS	2-SYS-HK	4599.6	1329.6	10 620.6	6 537.4	5926.0	3.76	1.27
79.66	3-EVA	3-EVA	2-EVAMON	4593.5	1329.6	10 620.4	6 537.2	5925.6	3.76	1.27
82.33	3-INGRES	3-INGRES	2-EVAMON	4544.0	1329.5	10 618.8	6 537.2	5923.8	3.75	1.27
82.50	3-DESUIT	3-DESUIT	2-EVAMON	4540.9	1329.5	10 618.5	6 537.2	5923.7	3.75	1.27
82.66	2-PSTEVA	2-PSTEVA	4-EAT	4540.8	1329.5	10 618.4	6 537.2	5923.6	3.71	1.25
83.66	2-PSTEVA	2-PSTEVA	4-M071	4540.0	1329.4	10 617.7	6 537.2	5922.9	3.70	1.24
84.00	2-PSTEVA	2-PSTEVA	4-PH	4539.8	1329.4	10 617.5	6 537.2	5922.7	3.70	1.24
84.66	4-EAT	2-EAT	4-OPEN	4539.3	1329.4	10 617.0	6 536.8	5921.8	3.69	1.24
85.66	4-PH	2-ATM	4-T027-2	4538.5	1329.4	10 616.3	6 536.8	5921.1	3.69	1.24
86.75	2-ATM	4-PH	4-OPEN	4537.7	1329.3	10 615.6	6 536.1	5919.7	3.69	1.24
87.00	2-ATM	4-SYS-HK	4-OPEN	4537.5	1329.3	10 615.4	6 536.0	5919.4	3.69	1.24
88.00	4-EAT	4-EAT	4-EAT	4536.7	1329.3	10 614.8	6 535.5	5918.3	3.69	1.23
89.00	4-M071	4-M071	4-M071	4535.9	1329.2	10 614.1	6 535.5	5917.6	3.69	1.23
89.25	4-PLN	4-PLN	2-ATM	4535.7	1329.2	10 613.9	6 535.5	5917.4	3.69	1.23
90.25	4-PH	4-PH	4-PH	4534.9	1329.2	10 613.2	6 535.5	5916.7	3.69	1.23
90.75	4-M071	4-M071	4-M071	4534.6	1329.2	10 612.9	6 534.6	5915.5	3.69	1.23
91.00	4-SLEEP	4-SLEEP	4-SLEEP	4534.4	1329.2	10 612.7	6 534.6	5915.3	3.69	1.23
99.00	4-PH	4-PH	4-PH	4527.9	1328.9	10 607.3	6 534.6	5909.9	3.71	1.21
99.50	4-EAT	4-EAT	4-EAT	4527.5	1328.9	10 607.0	6 533.6	5908.6	3.71	1.21
100.50	4-M071	4-M071	4-M071	4526.7	1328.9	10 606.3	6 533.6	5908.0	3.71	1.20
101.00	4-EREPDP	2-ATM	4-SYS-HK	4526.3	1328.8	10 606.0	6 533.6	5907.6	3.71	1.20
101.50	4-EREPDP	2-EREP	4-S063SU	4525.9	1328.8	10 605.6	6 533.4	5907.1	3.71	1.20
102.25	4-EREPDP	2-EREP	4-S063	4525.3	1328.8	10 605.1	6 533.4	5906.6	3.71	1.20
102.50	4-EREPDP	2-EREP	4-S063ST	4525.1	1328.8	10 605.0	6 533.4	5906.4	3.71	1.20
103.00	4-M071	2-SYS-HK	4-SYS-HK	4524.7	1328.8	10 604.7	6 533.4	5906.1	3.71	1.20
103.25	2-ATM	4-M092-S	4-M092-0	4524.5	1328.8	10 604.5	6 533.2	5905.7	3.71	1.20
104.25	2-ATM	4-M093-S	4-M093-0	4523.6	1328.6	10 603.8	6 533.2	5905.0	3.70	1.19
105.00	4-EAT	4-EAT	2-EAT	4523.0	1328.6	10 603.3	6 533.2	5904.5	3.70	1.19
106.00	4-M071	4-M071	2-M071	4522.1	1328.6	10 602.6	6 533.2	5903.8	3.70	1.19
106.50	4-PH	4-PH	2-ATM	4521.7	1328.6	10 602.3	6 533.2	5903.5	3.70	1.19
107.00	4-SYS-HK	4-T027-2	2-ATM	4521.2	1328.5	10 601.9	6 532.6	5902.5	3.70	1.19
108.25	4-SYS-HK	4-T027ST	2-ATM	4520.1	1328.5	10 601.1	6 532.0	5901.1	3.70	1.18
108.75	2-ATM	4-T027SU	4-PH	4519.7	1328.5	10 600.7	6 531.8	5900.6	3.70	1.18
109.25	2-ATM	4-M092-0	4-M092-S	4519.3	1328.5	10 600.4	6 531.5	5899.9	3.70	1.18
110.25	2-ATM	4-M093-0	4-M093-S	4518.4	1328.3	10 599.6	6 531.5	5899.2	3.69	1.18
111.00	4-EAT	4-EAT	4-EAT	4517.7	1328.3	10 599.2	6 531.5	5898.7	3.69	1.18
112.00	4-M071	4-M071	4-M071	4516.8	1328.3	10 598.6	6 531.5	5898.0	3.69	1.17
112.25	4-SYS-HK	4-PLN	4-PLN	4516.5	1328.3	10 598.4	6 531.6	5897.9	3.69	1.17
113.00	2-ATM	4-PLN	4-PLN	4515.9	1328.2	10 597.9	6 531.2	5897.0	3.70	1.17
113.25	2-ATM	4-R-R	4-R-R	4515.6	1328.2	10 597.7	6 531.2	5896.9	3.70	1.17
114.25	4-PH	4-PH	4-PH	4514.7	1328.2	10 597.0	6 531.2	5896.2	3.70	1.17
114.75	4-M071	4-M071	4-M071	4514.3	1328.2	10 596.7	6 530.2	5894.9	3.70	1.17
115.00	4-SLEEP	4-SLEEP	4-SLEEP	4514.0	1328.2	10 596.5	6 530.2	5894.8	3.70	1.17
123.00	4-PH	4-PH	4-PH	4506.8	1327.9	10 591.1	6 530.2	5889.4	3.72	1.15
123.50	4-EAT	4-EAT	4-EAT	4506.4	1327.9	10 590.8	6 529.3	5888.1	3.73	1.15
124.50	4-M071	4-M071	4-M071	4505.5	1327.9	10 590.1	6 529.3	5887.4	3.73	1.15
125.00	4-SYS-HK	2-ATM	4-OPEN	4505.0	1327.8	10 589.8	6 529.3	5887.1	3.73	1.15
126.25	4-M131BS	2-ATM	4-M131B0	4503.9	1327.8	10 588.9	6 528.7	5885.7	3.73	1.14

TABLE 6.0-II.- Continued.

TIME	ASTRO1	ASTRO 2	ASTRO 3	O2 TANK	N2 TANK	MET-EXP H2O TANK	WMC H2O TANK	TOTAL H2O TNKS	O2 PP	N2 PP
127.25	2-ATM	4-M131BS	4-M131BO	4503.0	1327.8	10 588.3	6 528.7	5885.0	3.73	1.14
128.00	2-ATM	4-M131BO	4-M131BS	4502.3	1327.7	10 587.8	6 528.7	5884.5	3.73	1.14
129.00	2-EAT	4-EAT	4-EAT	4501.4	1327.7	10 587.1	6 528.7	5883.8	3.74	1.14
130.00	2-M071	4-M071	4-M071	4500.5	1327.7	10 586.4	6 528.7	5883.1	3.74	1.13
130.50	2-ATM	4-PH	4-PH	4500.1	1327.7	10 586.1	6 528.7	5882.8	3.74	1.13
131.00	2-ATM	2-SYS-HK	4-SYS-HK	4499.6	1327.6	10 585.7	6 528.1	5881.8	3.74	1.13
132.00	2-ATM	2-T027-3	4-SYS-HK	4498.7	1327.6	10 585.1	6 527.2	5880.3	3.74	1.13
133.00	4-PH	2-T027-3	4-SYS-HK	4497.8	1327.6	10 584.4	6 526.8	5879.2	3.74	1.13
133.50	4-M092-S	2-ATM	4-M092-0	4497.4	1327.6	10 584.0	6 526.2	5878.3	3.74	1.13
134.50	4-M093-S	2-ATM	4-M093-0	4496.4	1327.4	10 583.4	6 526.2	5877.6	3.73	1.12
135.00	4-EAT	4-EAT	4-EAT	4496.0	1327.4	10 583.0	6 526.2	5877.3	3.73	1.12
136.00	4-M071	4-M071	4-M071	4495.0	1327.4	10 582.4	6 526.2	5876.6	3.74	1.12
136.25	4-PLN	2-ATM	4-PLN	4494.8	1327.4	10 582.2	6 526.2	5876.4	3.74	1.12
137.25	4-R-R	2-ATM	4-R-R	4493.9	1327.3	10 581.5	6 526.2	5875.8	3.74	1.12
138.25	4-PH	4-PH	4-PH	4492.9	1327.3	10 580.8	6 526.2	5875.1	3.74	1.11
138.75	4-M071	4-M071	4-M071	4492.6	1327.3	10 580.5	6 525.3	5873.8	3.74	1.11
139.00	4-SLEEP	4-SLEEP	4-SLEEP	4492.2	1327.3	10 580.3	6 525.3	5873.6	3.74	1.11
147.00	4-PH	4-PH	4-PH	4484.9	1327.0	10 574.9	6 525.3	5868.2	3.77	1.10
147.50	4-EAT	4-EAT	4-EAT	4484.4	1327.0	10 574.6	6 524.4	5867.0	3.77	1.09
148.50	4-M071	4-M071	4-M071	4483.5	1327.0	10 573.9	6 524.4	5866.3	3.77	1.09
149.00	2-ATM	4-T027-3	4-SYS-HK	4483.0	1326.9	10 573.6	6 524.4	5866.0	3.77	1.09
150.25	2-ATM	2-SYS-HK	4-S020SU	4481.9	1326.9	10 572.7	6 523.8	5864.6	3.78	1.09
151.75	2-ATM	4-M131AS	4-M131AO	4480.5	1326.9	10 571.7	6 523.2	5862.9	3.78	1.09
152.25	2-ATM	4-M131AO	4-M131AS	4480.1	1326.8	10 571.4	6 523.2	5862.5	3.78	1.09
153.00	4-EAT	2-EAT	4-EAT	4479.4	1326.8	10 570.9	6 523.2	5862.0	3.78	1.08
154.00	4-M071	2-M071	4-M071	4478.5	1326.8	10 570.2	6 523.2	5861.4	3.78	1.08
154.50	4-PH	2-ATM	4-PH	4478.0	1326.8	10 569.9	6 523.2	5861.0	3.78	1.08
155.00	4-SYS-HK	2-ATM	4-S020-1	4477.5	1326.7	10 569.5	6 522.5	5860.1	3.79	1.08
155.75	4-SYS-HK	4-PH	4-S020ST	4476.9	1326.7	10 569.0	6 522.2	5859.2	3.79	1.08
156.33	4-M509SU	4-T027ST	2-ATM	4476.3	1326.7	10 568.6	6 521.6	5858.2	3.79	1.08
157.33	4-M509IS	4-M50910	2-ATM	4475.4	1326.7	10 568.0	6 521.6	5857.5	3.79	1.07
158.17	4-MS09	4-MS0910	2-ATM	4474.9	1309.8	10 567.4	6 521.6	5857.0	3.79	1.37
159.00	4-EAT	4-EAT	4-EAT	4474.8	1309.8	10 566.8	6 521.6	5856.4	3.78	1.36
160.00	4-M071	4-M071	4-M071	4474.6	1309.8	10 566.2	6 521.6	5855.7	3.77	1.36
160.25	4-PLN	4-PLN	2-ATM	4474.5	1309.8	10 566.0	6 521.6	5855.6	3.77	1.36
161.25	4-R-R	4-R-R	2-ATM	4474.3	1309.7	10 565.3	6 521.6	5854.9	3.76	1.36
162.25	4-PH	4-PH	4-PH	4474.0	1309.7	10 564.6	6 521.6	5854.2	3.75	1.36
162.75	4-M071	4-M071	4-M071	4473.8	1309.7	10 564.3	6 520.7	5853.0	3.75	1.35
163.00	4-SLEEP	4-SLEEP	4-SLEEP	4473.7	1309.7	10 564.1	6 520.7	5852.8	3.75	1.35
171.00	4-PH	4-PH	4-PH	4470.4	1309.4	10 558.7	6 520.7	5847.4	3.71	1.33
171.50	4-EAT	4-EAT	4-EAT	4470.1	1309.4	10 558.4	6 519.7	5846.1	3.71	1.33
172.50	4-M071	4-M071	4-M071	4469.6	1309.4	10 557.7	6 519.7	5845.4	3.70	1.33
173.00	4-OPEN	4-T027SU	2-ATM	4469.3	1309.3	10 557.4	6 519.7	5845.1	3.70	1.33
173.50	4-S020SU	4-SYS-HK	2-ATM	4469.1	1309.3	10 557.0	6 519.7	5844.8	3.70	1.33
173.75	4-S020-1	4-SYS-HK	2-ATM	4468.9	1309.3	10 556.9	6 519.6	5844.5	3.70	1.33
174.25	2-SYS-HK	4-SYS-HK	2-ATM	4468.3	1309.3	10 556.5	6 519.4	5843.9	3.69	1.32
175.00	2-ATM	4-M092-S	4-M092-0	4468.3	1309.3	10 556.0	6 518.7	5842.7	3.69	1.32
176.00	2-ATM	4-M171-S	4-M171-0	4467.6	1309.1	10 555.4	6 518.7	5842.1	3.68	1.32
177.00	4-EAT	4-EAT	2-EAT	4467.0	1309.0	10 554.7	6 518.7	5841.4	3.67	1.31
178.00	4-M071	4-M071	2-M071	4466.4	1309.0	10 554.0	6 518.7	5840.7	3.67	1.31

TABLE 6.0-II.- Continued.

TIME	ASTRO1	ASTRO 2	ASTRO 3	O2 TANK	N2 TANK	MET-EXP H2O TANK	WMC H2O TANK	TOTAL H2O TNKS	O2 PP	N2 PP
178.50	4-PH	4-T027-3	2-ATM	4466.1	1309.0	10 553.7	6 518.7	5840.4	3.67	1.31
179.00	2-SYS-HK	4-T027-3	2-PH	4465.7	1309.0	10 553.3	6 518.4	5839.7	3.67	1.31
179.25	2-ATM	4-PH	2-SYS-HK	4465.6	1309.0	10 553.2	6 518.1	5839.3	3.67	1.31
180.25	2-ATM	4-SYS-HK	2-SYS-HK	4464.9	1308.9	10 552.5	6 517.1	5837.6	3.67	1.31
181.00	2-ATM	4-M092-0	4-M092-S	4464.4	1308.9	10 552.0	6 516.4	5836.4	3.66	1.30
182.00	2-ATM	4-M171-0	4-M171-S	4463.7	1308.8	10 551.3	6 516.4	5835.7	3.65	1.30
183.00	4-EAT	4-EAT	4-EAT	4462.9	1308.7	10 550.6	6 516.4	5835.0	3.65	1.30
184.00	4-M071	4-M071	4-M071	4462.2	1308.6	10 550.0	6 516.4	5834.4	3.65	1.30
184.25	2-ATM	4-PLN	4-PLN	4462.0	1308.6	10 549.8	6 516.4	5834.2	3.65	1.29
185.25	2-ATM	4-R-R	4-R-R	4461.3	1308.6	10 549.1	6 516.4	5833.5	3.65	1.29
186.25	4-PH	4-PH	4-PH	4460.5	1308.6	10 548.4	6 516.4	5832.8	3.65	1.29
186.75	4-M071	4-M071	4-M071	4460.2	1308.5	10 548.1	6 515.5	5831.6	3.65	1.29
187.00	4-SLEEP	4-SLEEP	4-SLEEP	4460.0	1308.5	10 547.9	6 515.5	5831.4	3.65	1.29
195.00	4-PH	4-PH	4-PH	4453.8	1308.3	10 542.5	6 515.5	5826.0	3.66	1.27
195.50	4-EAT	4-EAT	4-EAT	4453.4	1308.3	10 542.2	6 514.5	5824.7	3.66	1.27
196.50	4-M071	4-M071	4-M071	4452.6	1308.2	10 541.5	6 514.5	5824.1	3.66	1.26
197.00	2-ATM	4-T027-3	4-S020-1	4452.2	1308.2	10 541.2	6 514.5	5823.7	3.66	1.26
198.00	2-ATM	4-T027-3	4-SYS-HK	4451.4	1308.2	10 540.5	6 514.5	5823.0	3.66	1.26
198.75	2-ATM	4-SYS-HK	4-S020-1	4450.8	1308.1	10 540.0	6 514.2	5822.2	3.66	1.26
199.25	2-ATM	4-OPEN	4-S020ST	4450.4	1308.1	10 539.7	6 514.0	5821.6	3.66	1.26
199.75	2-ATM	4-OPEN	4-SYS-HK	4450.0	1308.1	10 539.3	6 514.0	5821.3	3.66	1.26
201.00	2-EAT	4-EAT	4-EAT	4449.0	1308.1	10 538.5	6 513.4	5819.9	3.66	1.25
202.00	2-ATM	4-M071	4-M071	4448.2	1308.0	10 537.8	6 513.4	5819.2	3.66	1.25
202.50	4-M071	4-PH	4-PH	4447.8	1308.0	10 537.5	6 513.4	5818.9	3.66	1.25
203.00	4-PH	4-T027ST	2-ATM	4447.4	1308.0	10 537.1	6 512.8	5817.9	3.66	1.25
203.50	4-SYS-HK	4-SYS-HK	2-ATM	4446.9	1308.0	10 536.8	6 512.5	5817.3	3.66	1.25
204.25	4-S073SU	2-SYS-HK	2-ATM	4446.3	1308.0	10 536.3	6 511.8	5816.1	3.66	1.25
205.00	4-M092-S	2-ATM	4-M092-0	4445.7	1307.9	10 535.8	6 511.5	5815.3	3.66	1.24
206.00	4-M171-S	2-ATM	4-M171-0	4444.8	1307.8	10 535.1	6 511.5	5814.6	3.65	1.24
207.00	4-EAT	4-EAT	4-EAT	4444.0	1307.7	10 534.4	6 511.5	5813.9	3.65	1.24
208.00	4-M071	4-M071	4-M071	4443.1	1307.7	10 533.8	6 511.5	5813.3	3.65	1.24
208.25	4-S073-1	2-ATM	4-PLN	4442.9	1307.7	10 533.6	6 511.5	5813.1	3.65	1.23
208.75	4-PLN	2-ATM	4-PH	4442.2	1307.6	10 533.2	6 511.5	5812.7	3.65	1.23
209.25	4-R-R	2-ATM	4-R-R	4442.0	1307.6	10 532.9	6 511.5	5812.4	3.65	1.23
210.25	4-PH	4-PH	4-PH	4441.2	1307.6	10 532.2	6 511.5	5811.7	3.66	1.23
210.75	4-M071	4-M071	4-M071	4440.7	1307.6	10 531.9	6 510.6	5810.5	3.66	1.23
211.00	4-SLEEP	4-SLEEP	4-SLEEP	4440.5	1307.6	10 531.7	6 510.6	5810.3	3.66	1.23
219.00	4-PH	4-PH	4-PH	4433.5	1307.3	10 526.3	6 510.6	5804.9	3.68	1.21
219.50	4-EAT	4-EAT	4-EAT	4433.1	1307.3	10 526.0	6 509.6	5803.6	3.68	1.21
220.50	4-M071	4-M071	4-M071	4432.2	1307.2	10 525.3	6 509.6	5802.9	3.68	1.21
221.00	4-SYS-HK	4-OFFDTY	4-OFFDTY	4431.8	1307.2	10 525.0	6 509.6	5802.6	3.68	1.21
222.50	4-OFFDTY	4-OFFDTY	4-OFFDTY	4430.5	1307.2	10 524.0	6 509.0	5800.9	3.68	1.20
225.00	4-EAT	4-EAT	4-EAT	4428.3	1307.1	10 522.3	6 509.0	5799.2	3.69	1.20
226.00	4-M071	4-M071	4-M071	4427.4	1307.1	10 521.6	6 509.0	5798.6	3.69	1.19
226.50	4-PH	4-PH	4-PH	4427.0	1307.0	10 521.3	6 509.0	5798.2	3.69	1.19
227.00	4-OFFDTY	4-OFFDTY	4-OFFDTY	4426.5	1307.0	10 520.9	6 508.0	5797.0	3.69	1.19
231.00	4-EAT	4-EAT	4-EAT	4423.0	1306.9	10 518.2	6 508.0	5794.3	3.69	1.18
232.00	4-M071	4-M071	4-M071	4422.1	1306.9	10 517.6	6 508.0	5793.6	3.70	1.18
232.25	4-PLN	4-PLN	4-PLN	4421.9	1306.9	10 517.4	6 508.0	5793.4	3.70	1.18
233.25	4-R-R	4-R-R	4-R-R	4421.0	1306.8	10 516.7	6 508.0	5792.7	3.70	1.18

TABLE 6.0-II.- Continued.

TIME	ASTRO1	ASTRO 2	ASTRO 3	O2 TANK	N2 TANK	MET-EXP H2O TANK	WMC H2O TANK	TOTAL H2O TNKS	O2 PP	N2 PP
234.25	4-PH	4-PH	4-PH	4420.1	1306.8	10 516.0	6 508.0	5792.1	3.70	1.18
234.75	4-M071	4-M071	4-M071	4419.7	1306.8	10 515.7	6 507.1	5790.8	3.70	1.17
235.00	4-SLEEP	4-SLEEP	4-SLEEP	4419.4	1306.8	10 515.5	6 507.1	5790.6	3.70	1.17
243.00	4-PH	4-PH	4-PH	4412.4	1306.5	10 510.1	6 507.1	5785.2	3.72	1.16
243.50	4-EAT	4-EAT	4-EAT	4411.9	1306.5	10 509.8	6 506.2	5784.0	3.72	1.16
244.50	4-M071	4-M071	4-M071	4411.0	1306.4	10 509.1	6 506.2	5783.3	3.73	1.15
245.00	4-M487-1	4-M487-1	4-M487-1	4410.6	1306.4	10 508.8	6 506.2	5782.9	3.73	1.15
245.25	4-OPEN	2-ATM	4-SYS-HK	4410.4	1304.4	10 508.6	6 506.2	5782.8	3.73	1.15
246.00	4-S073-1	2-ATM	4-SYS-HK	4409.7	1306.4	10 508.1	6 505.8	5781.9	3.73	1.15
246.25	4-OPEN	2-ATM	4-SYS-HK	4409.5	1306.4	10 507.9	6 505.7	5781.7	3.73	1.15
247.25	2-ATM	4-M092-S	4-M092-O	4408.6	1306.4	10 507.3	6 505.3	5780.5	3.73	1.15
248.25	2-ATM	4-M093-S	4-M093-O	4407.7	1306.2	10 506.6	6 505.3	5779.9	3.72	1.14
249.00	4-EAT	2-EAT	4-EAT	4407.0	1304.2	10 506.1	6 505.3	5779.4	3.72	1.14
250.00	4-M071	2-ATM	4-M071	4406.1	1306.2	10 505.4	6 505.3	5778.7	3.72	1.14
250.50	4-PH	2-ATM	4-PH	4405.6	1306.2	10 505.1	6 505.3	5778.3	3.72	1.14
250.75	4-PH	2-ATM	4-PH	4405.4	1306.1	10 504.9	6 505.0	5777.9	3.72	1.14
251.00	4-S073-1	4-M071	2-ATM	4405.1	1306.1	10 504.7	6 504.7	5777.4	3.72	1.14
251.25	2-SYS-HK	4-PH	2-ATM	4404.9	1306.1	10 504.6	6 504.7	5777.2	3.72	1.14
252.00	2-SYS-HK	4-OPEN	2-ATM	4404.2	1306.1	10 504.1	6 503.9	5775.9	3.73	1.13
253.25	2-ATM	4-M092-O	4-M092-S	4403.1	1306.1	10 503.2	6 503.3	5774.5	3.73	1.13
254.25	2-ATM	4-M093-O	4-M093-S	4402.1	1305.9	10 502.5	6 503.3	5773.8	3.72	1.13
255.00	4-EAT	4-EAT	4-EAT	4401.4	1305.9	10 502.0	6 503.3	5773.3	3.72	1.13
256.00	4-M071	4-M071	4-M071	4400.4	1305.9	10 501.4	6 503.3	5772.7	3.72	1.12
256.25	4-PLN	4-PLN	2-ATM	4400.2	1305.9	10 501.2	6 503.3	5772.5	3.72	1.12
257.25	4-R-R	4-R-R	2-ATM	4399.2	1305.8	10 500.5	6 503.3	5771.8	3.73	1.12
258.00	4-S073-1	4-R-R	2-ATM	4398.5	1305.8	10 500.0	6 503.3	5771.3	3.73	1.12
258.25	4-PH	4-PH	4-PH	4398.3	1305.8	10 499.8	6 503.3	5771.1	3.73	1.12
258.75	4-M071	4-M071	4-M071	4397.8	1305.8	10 499.5	6 502.4	5769.9	3.73	1.12
259.00	4-SLEEP	4-SLEEP	4-SLEEP	4397.6	1305.8	10 499.3	6 502.4	5769.7	3.73	1.12
267.00	4-PH	4-PH	4-PH	4390.1	1305.5	10 493.9	6 502.4	5764.3	3.76	1.10
267.50	4-EAT	4-EAT	4-EAT	4389.6	1305.5	10 493.6	6 501.4	5763.0	3.76	1.10
268.50	4-M071	4-M071	4-M071	4388.7	1305.5	10 492.9	6 501.4	5762.4	3.76	1.10
269.00	4-S073ST	2-ATM	4-OPEN	4388.2	1305.4	10 492.6	6 501.4	5762.0	3.76	1.10
269.50	4-SYS-HK	2-ATM	4-OPEN	4387.8	1305.4	10 492.2	6 501.4	5761.7	3.76	1.10
271.00	4-M5092S	4-M50920	2-ATM	4386.4	1305.4	10 491.2	6 500.8	5760.0	3.77	1.09
272.16	4-M509	4-M50920	2-ATM	4385.9	1282.1	10 490.4	6 500.8	5759.2	3.76	1.49
273.00	4-EAT	4-EAT	2-EAT	4385.9	1282.1	10 489.9	6 500.8	5758.6	3.75	1.49
274.00	4-M071	4-M071	2-M071	4385.9	1282.1	10 489.2	6 500.8	5758.0	3.74	1.49
274.50	4-PH	4-PH	2-ATM	4385.9	1282.1	10 488.9	6 500.8	5757.6	3.73	1.49
275.00	4-S073SU	4-SYS-HK	2-ATM	4385.9	1282.0	10 488.5	6 500.1	5756.7	3.73	1.49
275.75	4-S073-1	4-SYS-HK	4-PH	4385.9	1282.0	10 488.0	6 499.8	5755.8	3.72	1.48
276.25	4-SYS-HK	2-ATM	4-OPEN	4385.9	1282.0	10 487.7	6 499.3	5755.0	3.71	1.48
277.33	4-M092-S	2-ATM	4-M092-O	4385.8	1282.0	10 487.0	6 498.8	5753.8	3.70	1.48
278.33	4-M093-S	2-ATM	4-M093-O	4385.7	1281.8	10 486.3	6 498.8	5753.1	3.67	1.47
279.00	4-EAT	4-EAT	4-EAT	4385.5	1281.8	10 485.8	6 498.8	5752.6	3.67	1.47
280.00	4-M071	4-M071	4-M071	4385.3	1281.8	10 485.3	6 498.8	5752.0	3.66	1.47
280.25	2-ATM	4-PLN	4-PLN	4385.2	1281.8	10 485.0	6 498.8	5751.8	3.66	1.47
281.25	2-ATM	4-R-R	4-R-R	4385.0	1281.7	10 484.3	6 498.8	5751.1	3.65	1.46
282.25	4-PH	4-PH	4-PH	4384.7	1281.7	10 483.6	6 498.8	5750.4	3.64	1.46
282.75	4-M071	4-M071	4-M071	4384.5	1281.7	10 483.3	6 497.9	5749.2	3.64	1.46

TABLE 6.0 - Ⅱ. - Continued.

TIME	ASTRO1	ASTRO 2	ASTRO 3	O2 TANK	N2 TANK	MET-EXP H2O TANK	WMC H2O TANK	TOTAL H2O TNKS	O2 PP	N2 PP
283.00	4-SLEEP	4-SLEEP	4-SLEEP	4384.4	1281.7	10 483.1	6 497.9	5749.0	3.64	1.46
291.00	4-PH	4-PH	4-PH	4381.0	1281.4	10 477.7	6 497.9	5743.6	3.60	1.44
291.50	4-EAT	4-EAT	4-EAT	4380.8	1281.4	10 477.4	6 496.9	5742.3	3.60	1.43
292.50	4-M071	4-M071	4-M071	4380.2	1281.4	10 476.7	6 496.9	5741.6	3.60	1.43
293.00	4-SYS-HK	2-ATM	4-OPEN	4380.0	1281.3	10 476.4	6 496.9	5741.3	3.59	1.43
294.25	4-S073-1	2-ATM	4-OPEN	4379.3	1281.3	10 475.5	6 496.4	5739.9	3.59	1.43
295.00	4-OPEN	2-ATM	4-OPEN	4378.9	1281.3	10 475.0	6 496.4	5739.4	3.59	1.43
296.00	2-ATM	2-SYS-HK	4-OPEN	4378.3	1281.2	10 474.4	6 496.4	5738.7	3.58	1.42
297.00	2-EAT	4-EAT	4-EAT	4377.7	1281.2	10 473.7	6 495.9	5737.6	3.58	1.42
298.00	2-M071	4-M071	4-M071	4377.1	1281.2	10 473.0	6 495.9	5736.9	3.58	1.42
298.50	2-ATM	4-PH	4-PH	4376.8	1281.2	10 472.7	6 495.9	5736.6	3.58	1.42
299.00	4-PH	4-T003-2	2-ATM	4376.5	1281.1	10 472.3	6 495.3	5735.6	3.58	1.41
299.50	4-OPEN	4-SYS-HK	2-ATM	4376.2	1281.1	10 472.0	6 495.0	5735.0	3.58	1.41
300.00	4-OPEN	2-OPEN	2-ATM	4375.9	1281.1	10 471.7	6 494.8	5734.4	3.58	1.41
300.25	4-S073-2	4-OPEN	2-ATM	4375.7	1281.1	10 471.5	6 494.8	5734.3	3.57	1.41
300.50	2-SYS-HK	4-OPEN	2-ATM	4375.5	1281.1	10 471.3	6 494.8	5734.1	3.57	1.41
302.00	4-S073-2	4-OPEN	2-ATM	4374.6	1281.0	10 470.3	6 494.1	5732.4	3.57	1.41
302.25	4-M487-2	4-M487-2	4-M487-2	4374.4	1281.0	10 470.1	6 494.1	5732.2	3.57	1.41
303.00	4-EAT	4-EAT	4-EAT	4373.9	1281.0	10 469.6	6 494.1	5731.7	3.57	1.40
303.75	4-EAT	4-EAT	4-T003-3	4373.4	1281.0	10 469.1	6 494.1	5731.2	3.57	1.40
304.00	4-M071	4-M071	4-M071	4373.2	1281.0	10 469.0	6 494.1	5731.1	3.57	1.40
304.25	4-PLN	2-ATM	4-PLN	4373.1	1281.0	10 468.8	6 494.1	5730.9	3.57	1.40
305.25	4-R-R	2-ATM	4-R-R	4372.4	1280.9	10 468.1	6 494.1	5730.2	3.57	1.40
306.25	4-PH	4-PH	4-PH	4371.7	1280.9	10 467.4	6 494.1	5729.5	3.57	1.39
306.75	4-M071	4-M071	4-M071	4371.3	1280.9	10 467.1	6 493.2	5728.3	3.57	1.39
307.00	4-SLEEP	4-SLEEP	4-SLEEP	4371.2	1280.9	10 466.9	6 493.2	5728.1	3.57	1.39
315.00	4-PH	4-PH	4-PH	4365.4	1280.6	10 461.5	6 493.2	5722.7	3.57	1.37
315.50	4-EAT	4-EAT	4-EAT	4365.0	1280.6	10 461.2	6 492.2	5721.4	3.57	1.37
316.50	4-M071	4-M071	4-M071	4364.2	1280.5	10 460.5	6 492.2	5720.8	3.57	1.37
317.00	4-OPEN	4-SYS-HK	2-ATM	4363.9	1280.5	10 460.2	6 492.2	5720.4	3.57	1.37
319.00	2-ATM	4-M092-S	4-M092-0	4362.3	1280.5	10 458.8	6 491.4	5718.2	3.57	1.36
320.00	2-ATM	4-M171-S	4-M171-0	4361.5	1280.3	10 458.2	6 491.4	5717.5	3.56	1.36
321.00	4-EAT	2-EAT	4-EAT	4360.7	1280.2	10 457.5	6 491.4	5716.8	3.56	1.35
322.00	4-M071	2-M071	4-M071	4359.9	1280.2	10 456.8	6 491.4	5716.2	3.56	1.35
322.50	4-PH	2-ATM	4-PH	4359.5	1280.2	10 456.5	6 491.4	5715.8	3.56	1.35
323.00	4-S073-2	2-ATM	4-SYS-HK	4359.1	1280.2	10 456.1	6 490.7	5714.9	3.56	1.35
323.25	4-SYS-HK	2-ATM	4-SYS-HK	4358.9	1280.2	10 456.0	6 490.6	5714.6	3.56	1.35
323.75	4-S073-2	2-ATM	4-SYS-HK	4358.5	1280.1	10 455.6	6 490.2	5713.8	3.56	1.35
324.00	2-SYS-HK	2-ATM	4-SYS-HK	4358.3	1280.1	10 455.5	6 490.1	5713.5	3.56	1.35
324.50	2-ATM	4-PH	4-SYS-HK	4357.8	1280.1	10 455.1	6 489.1	5712.7	3.56	1.35
325.00	2-ATM	4-M092-0	4-M092-S	4357.4	1280.1	10 454.8	6 489.1	5711.9	3.56	1.34
326.00	2-ATM	4-M171-0	4-M171-S	4356.6	1280.0	10 454.1	6 489.1	5711.2	3.55	1.34
327.00	4-EAT	4-EAT	4-EAT	4355.7	1279.9	10 453.4	6 489.1	5710.5	3.55	1.34
328.00	4-M071	4-M071	4-M071	4354.8	1279.8	10 452.8	6 489.1	5709.8	3.55	1.33
328.25	4-PLN	4-PLN	2-ATM	4354.6	1279.8	10 452.6	6 489.1	5709.7	3.55	1.33
329.25	4-R-R	4-R-R	2-ATM	4353.8	1279.8	10 451.9	6 489.1	5709.0	3.56	1.33
330.00	4-S073-3	4-R-R	2-ATM	4353.1	1279.8	10 451.4	6 489.1	5708.5	3.56	1.33
330.25	4-PH	4-PH	4-PH	4352.9	1279.8	10 451.2	6 489.1	5708.3	3.56	1.33
330.75	4-M071	4-M071	4-M071	4352.4	1279.7	10 450.9	6 488.2	5707.1	3.56	1.33
331.00	4-SLEEP	4-SLEEP	4-SLEEPM	4352.2	1279.7	10 450.7	6 488.2	5706.9	3.56	1.33

TABLE 6.0 -Ⅱ.- Continued.

TIME	ASTRO1	ASTRO 2	ASTRO 3	O2 TANK	N2 TANK	MET-EXP H2O TANK	WMC H2O TANK	TOTAL H2O TNKS	O2 PP	N2 PP
339.00	4-PH	4-PH	4-PH	4345.3	1279.5	10 445.3	6 488.2	5701.5	3.58	1.31
339.50	4-EAT	4-EAT	4-EAT	4344.8	1279.4	10 445.0	6 487.2	5700.2	3.58	1.31
340.50	4-MO71	4-MO71	4-MO71	4344.0	1279.4	10 444.3	6 487.2	5699.5	3.58	1.30
341.00	4-M487-3	4-M487-3	4-M487-3	4343.5	1279.4	10 444.0	6 487.2	5699.2	3.58	1.30
341.50	2-ATM	4-SO73ST	4-SYS-HK	4343.1	1279.4	10 443.6	6 487.2	5698.9	3.58	1.30
342.00	2-ATM	4-SO19SU	4-SYS-HK	4342.7	1279.4	10 443.3	6 487.0	5698.3	3.58	1.30
342.50	2-ATM	4-SO19-1	4-SYS-HK	4342.2	1279.3	10 443.0	6 486.8	5697.7	3.59	1.30
343.00	2-ATM	4-SYS-HK	4-SYS-HK	4341.8	1279.3	10 442.6	6 486.6	5697.2	3.59	1.30
343.75	2-ATM	4-M131AS	4-M131AO	4341.1	1279.3	10 442.1	6 485.9	5696.0	3.59	1.30
344.25	2-ATM	4-M131AO	4-M131AS	4340.7	1279.3	10 441.8	6 485.9	5695.7	3.59	1.29
345.00	4-EAT	4-EAT	4-EAT	4340.0	1279.3	10 441.3	6 485.9	5695.2	3.59	1.29
346.00	4-MO71	4-MO71	4-MO71	4339.2	1279.2	10 440.6	6 485.9	5694.5	3.59	1.29
346.50	4-PH	4-PH	2-ATM	4338.7	1279.2	10 440.3	6 485.9	5694.2	3.59	1.29
347.00	4-SYS-HK	4-SO19-2	2-ATM	4338.3	1279.2	10 439.9	6 485.3	5693.2	3.59	1.29
347.75	4-SYS-HK	4-SO19ST	2-ATM	4337.6	1279.2	10 439.4	6 484.9	5692.4	3.59	1.29
348.25	4-SYS-HK	2-ATM	4-PH	4337.2	1279.1	10 439.1	6 484.7	5691.8	3.60	1.28
349.00	4-MO92-S	2-ATM	4-MO92-O	4336.5	1279.1	10 438.6	6 483.9	5690.5	3.60	1.28
350.00	4-M171-S	2-ATM	4-M171-O	4335.6	1279.0	10 437.9	6 483.9	5689.8	3.59	1.28
351.00	4-EAT	4-EAT	4-EAT	4334.7	1278.9	10 437.2	6 483.9	5689.1	3.59	1.28
352.00	4-MO71	4-MO71	4-MO71	4333.8	1278.9	10 436.6	6 483.9	5688.5	3.59	1.27
352.25	2-ATM	4-PLN	4-PLN	4333.5	1278.8	10 436.4	6 483.9	5688.3	3.59	1.27
353.25	2-ATM	4-R-R	4-R-R	4332.6	1278.8	10 435.7	6 483.9	5687.6	3.59	1.27
354.25	4-PH	4-PH	4-PH	4331.7	1278.8	10 435.0	6 483.9	5686.9	3.60	1.27
354.75	4-MO71	4-MO71	4-MO71	4331.2	1278.8	10 434.7	6 483.0	5685.7	3.60	1.27
355.00	4-SLEEP	4-SLEEP	4-SLEEP	4331.0	1278.8	10 434.5	6 483.0	5685.5	3.60	1.27
363.00	4-PH	4-PH	4-PH	4323.7	1278.5	10 429.1	6 483.0	5680.1	3.62	1.25
363.50	4-EAT	4-EAT	4-EAT	4323.3	1278.5	10 428.8	6 482.0	5678.8	3.63	1.25
364.50	4-MO71	4-MO71	4-MO71	4322.4	1278.4	10 428.1	6 482.0	5678.2	3.63	1.24
365.00	4-M512	4-SO19SU	2-ATM	4321.9	1278.4	10 427.8	6 482.0	5677.8	3.63	1.24
366.00	4-M512-S	4-SO19-3	2-ATM	4321.0	1278.4	10 427.1	6 482.0	5677.2	3.63	1.24
366.50	4-M512	4-SO19ST	2-ATM	4320.6	1278.4	10 426.8	6 482.0	5676.8	3.63	1.24
367.00	4-M512	4-SYS-HK	2-SYS-HK	4320.1	1278.4	10 426.4	6 482.0	5676.5	3.63	1.24
368.00	4-SYS-HK	2-ATM	2-SYS-HK	4319.2	1278.3	10 425.8	6 481.2	5674.9	3.63	1.24
369.00	2-EAT	4-EAT	4-EAT	4318.3	1278.3	10 425.1	6 480.3	5673.3	3.64	1.23
370.00	2-ATM	4-MO71	4-MO71	4317.4	1278.3	10 424.4	6 480.3	5672.7	3.64	1.23
370.50	4-MO71	4-PH	4-PH	4317.0	1278.2	10 424.1	6 480.3	5672.4	3.64	1.23
371.25	4-PH	4-SYS-HK	2-ATM	4316.3	1278.2	10 423.6	6 479.3	5670.9	3.64	1.23
371.75	4-M509	4-M50930	2-ATM	4315.8	1278.2	10 423.2	6 478.8	5670.0	3.64	1.23
373.67	4-M5093S	4-M50930	2-SYS-HK	4314.1	1278.1	10 421.9	6 478.8	5668.7	3.65	1.22
375.00	4-EAT	4-EAT	4-EAT	4297.4	1251.5	10 421.0	6 478.2	5667.2	3.87	1.68
376.00	4-MO71	4-MO71	4-MO71	4297.4	1251.4	10 420.4	6 478.2	5666.6	3.82	1.66
376.25	4-PLN	2-ATM	4-PLN	4297.4	1251.4	10 420.2	6 478.2	5666.4	3.82	1.66
377.25	4-R-R	2-ATM	4-R-R	4297.4	1251.4	10 419.5	6 478.2	5665.7	3.81	1.66
378.25	4-PH	4-PH	4-PH	4297.4	1251.4	10 418.8	6 478.2	5665.0	3.80	1.65
378.75	4-MO71	4-MO71	4-MO71	4297.4	1251.3	10 418.5	6 477.3	5663.8	3.79	1.65
379.00	4-SLEEP	4-SLEEP	4-SLEEPM	4297.4	1251.3	10 418.3	6 477.3	5663.6	3.79	1.65
387.00	4-PH	4-PH	4-PH	4297.4	1251.1	10 412.9	6 477.3	5658.2	3.69	1.62
387.50	4-EAT	4-EAT	4-EAT	4297.4	1251.1	10 412.6	6 476.3	5656.9	3.69	1.62
388.50	4-MO71	4-MO71	4-MO71	4297.4	1251.0	10 411.9	6 476.3	5656.3	3.68	1.62
389.00	4-SYS-HK	4-OPEN	2-ATM	4297.4	1251.0	10 411.6	6 476.3	5655.9	3.67	1.62

TABLE 6.0-Ⅱ.-Continued.

TIME	ASTRO1	ASTRO 2	ASTRO 3	O2 TANK	N2 TANK	MET-EXP H2O TANK	WMC H2O TANK	TOTAL H2O TNKS	O2 PP	N2 PP
390.00	4-SYS-HK	4-SO19SU	2-ATM	4297.4	1251.0	10 410.9	6 475.9	5654.8	3.66	1.61
390.50	4-SYS-HK	4-SO19	2-ATM	4297.4	1251.0	10 410.6	6 475.7	5654.2	3.65	1.61
391.00	2-ATM	4-MO92-S	4-MO92-O	4297.4	1250.9	10 410.2	6 475.5	5653.7	3.65	1.61
392.00	2-ATM	4-MO93-S	4-MO93-O	4297.4	1250.8	10 409.6	6 475.5	5653.0	3.63	1.61
393.00	4-EAT	2-EAT	4-EAT	4297.4	1250.8	10 408.9	6 475.5	5652.3	3.62	1.60
394.00	4-MO71	2-MO71	4-MO71	4297.4	1250.7	10 408.2	6 475.5	5651.7	3.61	1.60
394.50	4-PH	2-ATM	4-PH	4297.4	1250.7	10 407.9	6 475.5	5651.3	3.60	1.60
395.00	4-H2OSAM	2-ATM	2-ATM	4297.4	1250.7	10 407.5	6 474.8	5650.4	3.60	1.60
395.50	4-OPEN	4-SO19	2-ATM	4297.4	1250.7	10 407.1	6 474.8	5649.9	3.59	1.60
396.00	2-ATM	4-SO19ST	2-ATM	4297.4	1250.7	10 406.7	6 474.8	5649.6	3.59	1.60
396.50	2-ATM	4-PH	2-ATM	4297.3	1250.7	10 406.4	6 474.8	5649.2	3.58	1.59
397.00	2-ATM	4-MO92-O	4-MO92-S	4297.3	1250.6	10 406.1	6 474.5	5648.6	3.57	1.59
398.00	2-ATM	4-MO93-O	4-MO93-S	4297.1	1250.5	10 405.4	6 474.5	5647.9	3.55	1.58
399.00	4-EAT	4-EAT	4-EAT	4296.8	1250.5	10 404.7	6 474.5	5647.2	3.54	1.58
399.75	4-M487-4	4-M487-4	4-M487-4	4296.7	1250.5	10 404.2	6 474.5	5646.7	3.54	1.58
400.00	4-MO71	4-MO71	4-MO71	4296.6	1250.5	10 404.0	6 474.5	5646.6	3.53	1.58
400.25	4-PLN	4-PLN	2-ATM	4296.5	1250.4	10 403.9	6 474.5	5646.4	3.53	1.58
401.25	4-R-R	4-R-R	2-ATM	4296.2	1250.4	10 403.2	6 474.5	5645.7	3.53	1.57
402.25	4-PH	4-PH	4-PH	4295.9	1250.4	10 402.5	6 474.5	5645.0	3.52	1.57
402.75	4-MO71	4-MO71	4-MO71	4295.7	1250.4	10 402.2	6 473.6	5643.8	3.52	1.57
403.00	4-SLEEP	4-SLEEP	4-SLEEP	4295.6	1250.4	10 402.0	6 473.6	5643.6	3.51	1.57
411.00	4-PH	4-PH	4-PH	4292.0	1250.1	10 396.6	6 473.6	5638.2	3.49	1.54
411.50	4-EAT	4-EAT	4-EAT	4291.7	1250.1	10 396.3	6 472.7	5636.9	3.48	1.54
412.50	4-MO71	4-MO71	4-MO71	4291.2	1250.0	10 395.6	6 472.7	5636.3	3.48	1.54
413.00	2-ATM	4-OPEN	4-OPEN	4290.9	1250.0	10 395.3	6 472.7	5635.9	3.48	1.54
413.75	2-ATM	4-SO19SU	4-OPEN	4290.5	1250.0	10 394.8	6 472.7	5635.4	3.48	1.54
414.25	2-ATM	4-SO19	4-OPEN	4290.2	1250.0	10 394.4	6 472.7	5635.1	3.47	1.54
414.75	2-ATM	4-SYS-HK	4-OPEN	4289.9	1250.0	10 394.1	6 472.7	5634.7	3.47	1.53
417.00	4-EAT	4-EAT	2-EAT	4288.6	1249.9	10 392.6	6 471.7	5632.2	3.47	1.53
418.00	4-MO71	4-MO71	2-MO71	4287.9	1249.9	10 391.9	6 471.7	5631.5	3.47	1.52
418.50	4-PH	4-SO19	2-ATM	4287.6	1249.8	10 391.5	6 471.7	5631.2	3.47	1.52
419.00	4-SYS-HK	4-SO19	2-ATM	4287.3	1249.8	10 391.2	6 471.3	5630.6	3.46	1.52
419.25	4-SYS-HK	4-SO19ST	2-ATM	4287.2	1249.8	10 391.0	6 471.2	5630.3	3.46	1.52
419.75	4-SYS-HK	4-PH	2-ATM	4286.8	1249.8	10 390.7	6 471.0	5629.7	3.46	1.52
420.25	4-SYS-HK	2-ATM	4-PH	4286.5	1249.8	10 390.4	6 470.5	5628.8	3.46	1.52
420.75	4-SYS-HK	2-ATM	4-OPEN	4286.2	1249.8	10 390.0	6 469.9	5628.0	3.46	1.52
421.25	4-MO92-S	2-ATM	4-MO92-O	4285.9	1249.7	10 389.7	6 469.7	5627.4	3.46	1.51
422.25	4-MO93-S	2-ATM	4-MO93-O	4285.1	1249.6	10 389.0	6 469.7	5626.7	3.45	1.51
423.00	4-EAT	4-EAT	4-EAT	4284.6	1249.6	10 388.5	6 469.7	5626.2	3.45	1.51
424.00	4-MO71	4-MO71	4-MO71	4283.9	1249.6	10 387.8	6 469.7	5625.6	3.45	1.50
424.25	2-ATM	4-PLN	4-PLN	4283.7	1249.5	10 387.7	6 469.7	5625.4	3.45	1.50
425.25	2-ATM	4-R-R	4-R-R	4283.0	1249.5	10 387.0	6 469.7	5624.7	3.45	1.50
426.25	4-PH	4-PH	4-PH	4282.2	1249.5	10 386.3	6 469.7	5624.0	3.45	1.50
426.75	4-MO71	4-MO71	4-MO71	4281.9	1249.5	10 386.0	6 468.8	5622.8	3.45	1.50
427.00	4-SLEEP	4-SLEEP	4-SLEEPM	4281.7	1249.5	10 385.8	6 468.8	5622.6	3.45	1.49
435.00	4-PH	4-PH	4-PH	4275.6	1249.2	10 380.4	6 468.8	5617.2	3.46	1.47
435.50	4-EAT	4-EAT	4-EAT	4275.2	1249.2	10 380.1	6 467.9	5615.9	3.46	1.47
436.50	4-MO71	4-MO71	4-MO71	4274.4	1249.1	10 379.4	6 467.9	5615.3	3.46	1.47
437.00	4-M487-5	4-M487-5	4-M487-5	4274.0	1249.1	10 379.1	6 467.9	5614.9	3.46	1.47
437.25	4-SYS-HK	4-OFFDTY	4-OFFDTY	4273.8	1249.1	10 378.9-	6 467.9	5614.7	3.46	1.47

TABLE 6.0-II.- Continued.

TIME	ASTRO1	ASTRO 2	ASTRO 3	O2 TANK	N2 TANK	MET-EXP H2O TANK	WMC H2O TANK	TOTAL H2O TNKS	O2 PP	N2 PP
439.00	4-OFFDTY	4-OFFDTY	4-OFFDTY	4272.4	1249.1	10 377.7	6 467.1	5612.8	3.46	1.46
441.00	4-EAT	4-EAT	4-EAT	4270.8	1249.0	10 376.4	6 467.1	5611.4	3.46	1.46
442.00	4-M071	4-M071	4-M071	4270.0	1249.0	10 375.7	6 467.1	5610.8	3.46	1.45
442.50	4-PH	4-PH	4-PH	4269.6	1248.9	10 375.3	6 467.1	5610.4	3.46	1.45
443.00	4-OFFDTY	4-OFFDTY	4-OFFDTY	4269.2	1248.9	10 375.0	6 466.1	5609.2	3.46	1.45
447.00	4-EAT	4-EAT	4-EAT	4265.9	1248.8	10 372.3	6 466.1	5606.5	3.46	1.44
448.00	4-M071	4-M071	4-M071	4265.1	1248.8	10 371.6	6 466.1	5605.8	3.47	1.44
448.25	4-PLN	4-PLN	4-PLN	4264.9	1248.7	10 371.5	6 466.1	5605.6	3.47	1.44
449.25	4-R-R	4-R-R	4-R-R	4264.0	1248.7	10 370.8	6 466.1	5604.9	3.47	1.43
450.25	4-PH	4-PH	4-PH	4263.2	1248.7	10 370.1	6 466.1	5604.3	3.47	1.43
450.75	4-M071	4-M071	4-M071	4262.8	1248.7	10 369.8	6 465.2	5603.0	3.47	1.43
451.00	4-SLEEP	4-SLEEP	4-SLEEP	4262.6	1248.7	10 369.6	6 465.2	5602.8	3.47	1.43
459.00	4-PH	4-PH	4-PH	4255.8	1248.4	10 364.2	6 465.2	5597.4	3.49	1.41
459.50	4-EAT	4-EAT	4-EAT	4255.4	1248.4	10 363.9	6 464.3	5596.1	3.49	1.41
460.50	4-M071	4-M071	4-M071	4254.5	1248.3	10 363.2	6 464.3	5595.5	3.49	1.40
461.00	4-SYS-HK	2-ATM	4-OPEN	4254.1	1248.3	10 362.9	6 464.3	5595.1	3.49	1.40
462.75	2-ATM	4-M092-S	4-M092-O	4252.6	1248.3	10 361.7	6 463.5	5593.2	3.50	1.40
464.00	2-ATM	4-M171-S	4-M171-O	4251.5	1248.1	10 360.8	6 463.5	5592.3	3.49	1.39
465.00	2-EAT	4-EAT	4-EAT	4250.6	1248.0	10 360.2	6 463.5	5591.7	3.49	1.39
466.00	2-M071	4-M071	4-M071	4249.7	1248.0	10 359.5	6 463.5	5591.0	3.49	1.39
466.50	2-ATM	4-PH	4-PH	4249.3	1248.0	10 359.1	6 463.5	5590.6	3.49	1.39
467.00	4-PH	2-ATM	4-SYS-HK	4248.8	1248.0	10 358.8	6 462.9	5589.7	3.49	1.38
467.50	2-SYS-HK	2-ATM	4-SYS-HK	4248.4	1247.9	10 358.5	6 462.3	5588.8	3.49	1.38
469.00	2-ATM	4-M092-O	4-M092-S	4247.1	1247.9	10 357.5	6 461.0	5586.5	3.50	1.38
470.00	2-ATM	4-M171-O	4-M171-S	4246.1	1247.8	10 356.8	6 461.0	5585.8	3.49	1.37
471.00	4-EAT	4-EAT	4-EAT	4245.2	1247.6	10 356.1	6 461.0	5585.1	3.49	1.37
472.00	4-M071	4-M071	4-M071	4244.3	1247.6	10 355.4	6 461.0	5584.4	3.49	1.37
472.25	4-PLN	2-ATM	4-PLN	4244.1	1247.6	10 355.3	6 461.0	5584.3	3.49	1.37
473.25	4-R-R	2-ATM	4-R-R	4243.1	1247.6	10 354.6	6 461.0	5583.6	3.50	1.37
474.25	4-PH	4-PH	4-PH	4242.2	1247.5	10 353.9	6 461.0	5582.9	3.50	1.36
474.75	4-M071	4-M071	4-M071	4241.8	1247.5	10 353.6	6 460.1	5581.7	3.50	1.36
475.00	4-SLEEP	4-SLEEP	4-SLEEPM	4241.5	1247.5	10 353.4	6 460.1	5581.5	3.50	1.36
483.00	4-PH	4-PH	4-PH	4234.2	1247.3	10 348.0	6 460.1	5576.1	3.53	1.34
483.33	4-M487-6	4-M487-6	4-M487-6	4233.9	1247.2	10 347.8	6 459.5	5575.2	3.53	1.34
483.50	4-EAT	4-EAT	4-EAT	4233.8	1247.2	10 347.7	6 459.5	5575.1	3.53	1.34
484.50	4-M071	4-M071	4-M071	4232.9	1247.2	10 347.0	6 459.5	5574.5	3.53	1.34
485.00	4-M5094S	4-M50940	2-ATM	4232.4	1247.2	10 346.7	6 459.5	5574.1	3.53	1.34
486.00	4-M509	4-M50940	2-ATM	4231.9	1227.2	10 346.0	6 459.5	5573.4	3.53	1.68
486.75	4-SYS-HK	4-OPEN	2-ATM	4231.9	1227.1	10 345.5	6 459.5	5572.9	3.52	1.68
488.00	4-SYS-HK	4-SYS-HK	2-ATM	4231.9	1227.1	10 344.6	6 458.9	5571.5	3.50	1.68
489.00	4-EAT	2-EAT	4-EAT	4231.8	1227.0	10 344.0	6 458.0	5570.0	3.49	1.67
490.00	4-M071	2-ATM	4-M071	4231.6	1227.0	10 343.3	6 458.0	5569.3	3.49	1.67
490.50	4-PH	4-M071	2-ATM	4231.6	1227.0	10 343.0	6 458.0	5569.0	3.48	1.67
491.00	4-S183SU	4-PH	2-ATM	4231.5	1227.0	10 342.6	6 457.7	5568.3	3.48	1.67
491.75	4-S183-1	2-SYS-HK	4-PH	4231.3	1227.0	10 342.1	6 457.2	5567.3	3.47	1.66
492.25	4-OPEN	2-ATM	4-SYS-HK	4231.2	1226.9	10 341.8	6 456.7	5566.5	3.46	1.66
493.00	4-M092-S	2-ATM	4-M092-O	4231.0	1226.9	10 341.3	6 456.4	5565.5	3.46	1.66
494.00	4-M171-S	2-ATM	4-M171-O	4230.7	1226.8	10 340.6	6 456.4	5565.0	3.44	1.65
495.00	4-EAT	4-EAT	4-EAT	4230.3	1226.7	10 339.9	6 456.4	5564.3	3.43	1.65
496.00	4-M071	4-M071	4-M071	4229.9	1226.6	10 339.2	6 456.4	5563.6	3.43	1.65

TABLE 6.0 -Ⅱ.- Continued.

TIME	ASTRO1	ASTRO 2	ASTRO 3	O2 TANK	N2 TANK	MET-EXP H2O TANK	WMC H2O TANK	TOTAL H2O TNKS	O2 PP	N2 PP
496.25	4-PLN	4-PLN	2-ATM	4229.8	1226.6	10 339.1	6 456.4	5563.4	3.43	1.65
497.25	4-R-R	4-R-R	2-ATM	4229.4	1226.6	10 338.4	6 456.4	5562.8	3.42	1.64
498.25	4-PH	4-PH	4-PH	4229.0	1226.6	10 337.7	6 456.4	5562.1	3.42	1.64
498.60	4-M487-6	4-M487-6	4-M487-6	4228.8	1226.6	10 337.5	6 455.7	5561.2	3.41	1.64
498.75	4-M071	4-M071		4228.7	1226.6	10 337.4	6 455.7	5561.1	3.41	1.64
499.00	4-SLEEP	4-SLEEP	4-SLEEP	4228.6	1226.5	10 337.2	6 455.7	5560.9	3.41	1.64
507.00	4-PH	4-PH	4-PH	4224.4	1226.3	10 331.8	6 455.7	5555.5	3.39	1.61
507.50	4-EAT	4-EAT	4-EAT	4224.1	1226.3	10 331.5	6 454.8	5554.3	3.39	1.61
508.50	4-M071	4-M071	4-M071	4223.5	1226.2	10 330.8	6 454.8	5553.6	3.39	1.61
509.00	4-SO2OSU	4-S183-2	2-ATM	4223.2	1226.2	10 330.5	6 454.8	5553.2	3.39	1.61
509.50	4-OPEN	4-SYS-HK	2-ATM	4222.9	1226.2	10 330.1	6 454.8	5552.9	3.39	1.60
511.50	4-SYS-HK	4-OPEN	2-ATM	4221.6	1226.1	10 328.8	6 453.9	5550.7	3.39	1.60
512.00	4-SYS-HK	4-S183-3	2-ATM	4221.3	1226.1	10 328.4	6 453.7	5550.1	3.38	1.60
513.00	4-EAT	4-EAT	2-EAT	4220.6	1226.1	10 327.8	6 453.2	5549.0	3.38	1.59
514.00	4-M071	4-M071	4-M071	4220.0	1226.0	10 327.1	6 453.2	5548.3	3.38	1.59
514.50	4-PH	4-PH	2-ATM	4219.6	1226.0	10 326.8	6 453.2	5548.0	3.38	1.59
515.00	4-S183-4	2-ATM	2-ATM	4219.3	1226.0	10 326.4	6 452.6	5547.0	3.38	1.59
516.00	4-S183ST	2-ATM	4-PH	4218.6	1226.0	10 325.7	6 452.6	5546.3	3.38	1.58
516.50	4-OPEN	2-ATM	4-OPEN	4218.2	1226.0	10 325.4	6 452.3	5545.7	3.38	1.58
517.50	4-OPEN	2-ATM	4-SYS-HK	4217.6	1225.9	10 324.7	6 452.3	5545.0	3.38	1.58
519.00	4-EAT	4-EAT	4-EAT	4216.5	1225.9	10 323.7	6 451.6	5543.3	3.38	1.58
520.00	4-M071	4-M071	4-M071	4215.8	1225.8	10 323.0	6 451.6	5542.7	3.38	1.57
520.25	2-ATM	4-PLN	4-PLN	4215.6	1225.8	10 322.9	6 451.6	5542.5	3.38	1.57
521.25	2-ATM	4-R-R	4-R-R	4214.9	1225.8	10 322.2	6 451.6	5541.8	3.38	1.57
522.25	4-PH	4-PH	4-PH	4214.1	1225.8	10 321.5	6 451.6	5541.1	3.38	1.57
522.75	4-M071	4-M071	4-M071	4213.8	1225.7	10 321.2	6 450.7	5539.9	3.38	1.56
523.00	4-SLEEP	4-SLEEP	4-SLEEPH	4213.6	1225.7	10 321.0	6 450.7	5539.7	3.38	1.56
531.00	4-PH	4-PH	4-PH	4207.5	1225.5	10 315.6	6 450.7	5534.3	3.39	1.54
531.50	4-EAT	4-EAT	4-EAT	4207.1	1225.5	10 315.3	6 449.8	5533.0	3.39	1.54
532.50	4-M071	4-M071	4-M071	4206.3	1225.4	10 314.6	6 449.8	5532.4	3.39	1.54
533.00	4-S183SU	2-ATM	4-SYS-HK	4205.9	1225.4	10 314.3	6 449.8	5532.0	3.39	1.53
533.75	4-S183-5	2-ATM	4-SYS-HK	4205.3	1225.4	10 313.8	6 449.4	5531.2	3.39	1.53
534.50	2-SYS-HK	2-ATM	4-SYS-HK	4204.7	1225.4	10 313.3	6 449.1	5530.3	3.39	1.53
535.25	2-ATM	4-M092-S	4-M092-0	4204.2	1225.3	10 312.7	6 448.4	5529.2	3.39	1.53
536.25	2-ATM	4-M093-S	4-M093-0	4203.3	1225.2	10 312.1	6 448.4	5528.5	3.38	1.52
537.00	2-EAT	4-EAT	4-EAT	4202.7	1225.2	10 311.7	6 448.4	5528.0	3.38	1.52
538.00	2-ATM	4-M071	4-M071	4201.9	1225.1	10 310.9	6 448.4	5527.3	3.38	1.52
538.50	4-M071	4-S183-6	4-PH	4201.4	1225.1	10 310.6	6 448.4	5527.0	3.38	1.51
539.00	4-PH	4-S183ST	2-ATM	4201.0	1225.1	10 310.2	6 448.1	5526.3	3.38	1.51
539.50	4-T003-2	4-SYS-HK	2-ATM	4200.6	1225.1	10 309.9	6 447.8	5525.7	3.38	1.51
540.00	4-M487-7	4-M487-7	2-M487-7	4200.2	1225.1	10 309.5	6 447.6	5525.1	3.39	1.51
540.50	4-SYS-HK	4-PH	2-ATM	4199.7	1225.1	10 309.2	6 447.6	5524.8	3.39	1.51
541.00	2-ATM	4-M092-0	4-M092-S	4199.3	1225.0	10 308.9	6 447.1	5523.9	3.39	1.51
542.00	2-ATM	4-M093-0	4-M093-S	4198.4	1224.9	10 308.2	6 447.1	5523.2	3.38	1.50
543.00	4-EAT	4-EAT	4-EAT	4197.5	1224.9	10 307.5	6 447.1	5522.6	3.38	1.50
543.75	4-EAT	4-EAT	4-T003-3	4196.9	1224.9	10 307.0	6 447.1	5522.1	3.38	1.50
544.00	4-M071	4-M071	4-M071	4196.6	1224.8	10 306.8	6 447.1	5521.9	3.38	1.49
544.25	4-PLN	2-ATM	4-PLN	4196.4	1224.8	10 306.7	6 447.1	5521.7	3.38	1.49
545.25	4-R-R	2-ATM	4-R-R	4195.5	1224.8	10 306.0	6 447.1	5521.0	3.38	1.49
546.25	4-PH	4-PH	4-PH	4194.6	1224.8	10 305.3	6 447.1	5520.4	3.39	1.49

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TABLE 6.0-Ⅱ.- Continued.

TIME	ASTRO1	ASTRO 2	ASTRO 3	O2 TANK	N2 TANK	MET-EXP H2O TANK	WMC H2O TANK	TOTAL H2O TNKS	O2 PP	N2 PP
546.75	4-M071	4-M071	4-M071	4194.2	1224.8	10 305.0	6 446.1	5519.1	3.39	1.49
547.00	4-SLEEP	4-SLEEP	4-SLEEP	4194.0	1224.7	10 304.8	6 446.1	5518.9	3.39	1.49
555.00	4-PH	4-PH	4-PH	4186.9	1224.5	10 299.4	6 446.1	5513.5	3.42	1.46
555.50	4-EAT	4-EAT	4-EAT	4186.4	1224.5	10 299.1	6 445.2	5512.3	3.42	1.46
556.50	4-M071	4-M071	4-M071	4185.5	1224.4	10 298.4	6 445.2	5511.6	3.42	1.46
557.00	4-SYS-HK	4-SYS-HK	2-ATM	4185.1	1224.4	10 298.1	6 445.2	5511.2	3.42	1.46
558.00	4-M074	4-S183SU	2-ATM	4184.2	1224.4	10 297.4	6 444.3	5509.7	3.42	1.46
558.50	4-M172	4-S183SU	2-ATM	4183.8	1224.4	10 297.1	6 444.3	5509.3	3.42	1.45
558.75	2-SYS-HK	4-S183	4-OPEN	4183.5	1224.4	10 296.9	6 444.3	5509.2	3.42	1.45
559.50	2-ATM	4-S183	4-OPEN	4182.9	1224.3	10 296.4	6 444.0	5508.3	3.43	1.45
559.75	2-ATM	4-M131AS	4-M131AO	4182.7	1224.3	10 296.2	6 444.0	5508.2	3.43	1.45
560.25	2-ATM	4-M131AO	4-M131AS	4182.2	1224.3	10 295.9	6 444.0	5507.8	3.43	1.45
561.00	4-EAT	2-EAT	4-EAT	4181.5	1224.3	10 295.4	6 444.0	5507.3	3.43	1.45
562.00	4-M071	2-M071	4-M071	4180.6	1224.2	10 294.7	6 444.0	5506.7	3.43	1.45
562.50	4-PH	2-ATM	4-PH	4180.2	1224.2	10 294.4	6 444.0	5506.3	3.43	1.44
563.00	4-S183ST	2-ATM	4-S020ST	4179.8	1224.2	10 294.0	6 443.3	5505.4	3.43	1.44
563.50	4-M50910	4-M509	2-ATM	4179.3	1224.2	10 293.7	6 443.3	5505.0	3.43	1.44
564.16	4-M50910	4-M5091S	2-ATM	4178.7	1224.2	10 293.2	6 443.3	5504.6	3.43	1.44
565.00	4-M092-S	4-PH	4-M092-O	4178.3	1207.3	10 292.7	6 443.3	5504.0	3.43	1.73
565.50	4-M092-S	2-ATM	4-M092-O	4178.2	1207.2	10 292.3	6 443.0	5503.4	3.41	1.72
566.00	4-M093-S	2-ATM	4-M093-O	4178.0	1207.1	10 292.0	6 443.0	5503.0	3.40	1.72
567.00	4-EAT	4-EAT	4-EAT	4177.7	1207.1	10 291.3	6 443.0	5502.3	3.39	1.71
568.00	4-M071	4-M071	4-M071	4177.4	1207.1	10 290.6	6 443.0	5501.7	3.38	1.71
568.25	4-M512-S	4-SYS-HK	2-ATM	4177.3	1207.0	10 290.5	6 443.0	5501.5	3.38	1.71
570.25	4-PH	4-PH	4-PH	4176.6	1207.0	10 289.1	6 442.1	5499.3	3.37	1.70
570.75	4-M071	4-M071	4-M071	4176.4	1207.0	10 288.8	6 441.2	5498.0	3.37	1.70
571.00	4-SLEEP	4-SLEEP	4-SLEEPM	4176.2	1206.9	10 288.6	6 441.2	5497.8	3.37	1.70
579.00	4-PH	4-PH	4-PH	4172.3	1206.7	10 283.2	6 441.2	5492.4	3.34	1.67
579.50	4-EAT	4-EAT	4-EAT	4172.0	1206.7	10 282.9	6 440.3	5491.1	3.34	1.67
580.50	4-M071	4-M071	4-M071	4171.4	1206.6	10 282.2	6 440.3	5490.5	3.34	1.67
581.00	4-M487-8	4-M487-8	4-M487-8	4171.2	1206.6	10 281.9	6 440.3	5490.1	3.34	1.67
581.25	4-OFFDTY	4-OFFDTY	4-OFFDTY	4171.0	1206.6	10 281.7	6 440.3	5490.0	3.34	1.67
585.00	4-EAT	4-EAT	4-EAT	4168.7	1206.5	10 279.2	6 440.3	5487.4	3.33	1.66
586.00	4-M071	4-M071	4-M071	4168.0	1206.5	10 278.5	6 440.3	5486.8	3.33	1.65
586.50	4-PH	4-PH	4-PH	4167.7	1206.4	10 278.2	6 440.3	5486.4	3.33	1.65
587.00	4-OFFDTY	4-OFFDTY	4-OFFDTY	4167.4	1206.4	10 277.8	6 439.3	5485.2	3.33	1.65
591.00	4-EAT	4-EAT	4-EAT	4164.6	1206.3	10 275.1	6 439.3	5482.5	3.32	1.64
592.00	4-M071	4-M071	4-M071	4163.9	1206.3	10 274.4	6 439.3	5481.8	3.32	1.63
592.25	4-PLN	4-PLN	4-PLN	4163.8	1206.2	10 274.3	6 439.3	5481.6	3.32	1.63
593.25	4-R-R	4-R-R	4-R-R	4163.0	1206.2	10 273.6	6 439.3	5480.9	3.32	1.63
594.00	4-M487-9	4-M487-9	4-M487-9	4162.5	1206.2	10 273.1	6 439.3	5480.4	3.32	1.63
594.25	4-PH	4-PH	4-PH	4162.3	1206.2	10 272.9	6 439.3	5480.3	3.32	1.63
594.75	4-M071	4-M071	4-M071	4162.0	1206.2	10 272.6	6 438.4	5479.0	3.32	1.62
595.00	4-SLEEP	4-SLEEP	4-SLEEP	4161.8	1206.2	10 272.4	6 438.4	5478.8	3.32	1.62
603.00	4-PH	4-PH	4-PH	4155.7	1205.9	10 267.0	6 438.4	5473.4	3.33	1.60
603.50	4-EAT	4-EAT	4-EAT	4155.4	1205.9	10 266.7	6 437.5	5472.2	3.33	1.60
604.50	4-M071	4-M071	4-M071	4154.6	1205.8	10 266.0	6 437.5	5471.5	3.33	1.60
605.00	4-M479	2-ATM	4-S020SU	4154.2	1205.8	10 265.7	6 437.5	5471.1	3.33	1.59
605.50	4-M4791A	2-ATM	4-SYS-HK	4153.8	1205.8	10 265.3	6 437.5	5470.8	3.33	1.59
606.75	2-ATM	4-M092-S	4-M092-O	4152.8	1205.8	10 264.5	6 436.9	5469.4	3.33	1.59

TABLE 6.0-Ⅱ.- Continued.

TIME	ASTRO1	ASTRO 2	ASTRO 3	O2 TANK	N2 TANK	MET-EXP H2O TANK	WMC H2O TANK	TOTAL H2O TNKS	O2 PP	N2 PP
607.75	2-ATM	4-M171-S	4-M171-O	4152.0	1205.6	10 263.8	6 436.9	5468.7	3.32	1.58
609.00	4-EAT	4-EAT	2-EAT	4150.9	1205.5	10 263.0	6 436.9	5467.9	3.32	1.58
610.00	4-M071	4-M071	2-M071	4150.1	1205.5	10 262.3	6 436.9	5467.2	3.32	1.57
610.50	4-PH		2-PH	4149.7	1205.5	10 262.0	6 436.9	5466.9	3.32	1.57
611.00	4-SYS-HK	4-S183SU	2-ATM	4149.2	1205.5	10 261.6	6 436.3	5465.9	3.33	1.57
611.50	4-SYS-HK	4-S183-6	4-PH	4148.8	1205.4	10 261.3	6 436.1	5465.4	3.33	1.57
612.25	2-ATM	4-S183ST	4-SYS-HK	4148.2	1205.4	10 260.8	6 435.3	5464.0	3.33	1.57
613.00	2-SYS-HK	4-M092-O	4-M092-S	4147.5	1205.4	10 260.3	6 434.9	5463.2	3.33	1.57
614.00	2-ATM	4-M171-O	4-M171-S	4146.7	1205.3	10 259.6	6 434.5	5462.1	3.32	1.56
615.00	4-EAT	4-EAT	4-EAT	4145.8	1205.1	10 258.9	6 434.5	5461.4	3.32	1.56
616.00	4-M071	4-M071	4-M071	4144.9	1205.1	10 258.2	6 434.5	5460.7	3.32	1.55
616.25	2-SYS-HK	4-PLN	4-PLN	4144.7	1205.1	10 258.1	6 434.5	5460.6	3.32	1.55
617.25	2-ATM	4-R-R	4-R-R	4143.8	1205.1	10 257.4	6 434.1	5459.4	3.33	1.55
618.25	4-PH	4-PH	4-PH	4142.9	1205.0	10 256.7	6 434.1	5458.8	3.33	1.55
618.75	4-M071	4-M071	4-M071	4142.4	1205.0	10 256.2	6 433.1	5457.5	3.33	1.55
619.00	4-SLEEP	4-SLEEP	4-SLEEPM	4142.2	1205.0	10 256.2	6 433.1	5457.3	3.33	1.55
627.00	4-PH	4-PH	4-PH	4135.1	1204.8	10 250.8	6 433.1	5451.9	3.36	1.52
627.50	4-EAT	4-EAT	4-EAT	4134.7	1204.7	10 250.5	6 432.2	5450.7	3.36	1.52
628.50	4-M071	4-M071	4-M071	4133.8	1204.7	10 249.8	6 432.2	5450.0	3.36	1.52
629.00	4-MOL-S	2-ATM	4-SYS-HK	4133.3	1204.7	10 249.5	6 432.2	5449.6	3.36	1.52
629.50	4-S183SU	2-ATM	4-SYS-HK	4132.9	1204.7	10 249.1	6 432.0	5449.1	3.36	1.52
630.25	4-M131BS	2-ATM	4-M131BO	4132.2	1204.6	10 248.6	6 431.6	5448.3	3.37	1.51
631.25	2-ATM	4-M131BS	4-M131BO	4131.3	1204.6	10 247.9	6 431.6	5447.6	3.37	1.51
632.00	2-ATM	4-M131BO	4-M131BS	4130.7	1204.6	10 247.4	6 431.6	5447.1	3.37	1.51
633.00	2-EAT	4-EAT	4-EAT	4129.8	1204.5	10 246.8	6 431.6	5446.4	3.37	1.51
634.00	2-M071	4-M071	4-M071	4128.9	1204.5	10 246.1	6 431.6	5445.7	3.37	1.50
634.50	2-ATM	4-PH	4-PH	4128.4	1204.5	10 245.8	6 431.6	5445.4	3.37	1.50
635.00	2-ATM	4-S183-6	4-SYS-HK	4128.0	1204.5	10 245.4	6 431.0	5444.4	3.38	1.50
635.75	2-ATM	4-S183ST	2-SYS-HK	4127.3	1204.5	10 244.9	6 430.7	5443.6	3.38	1.50
636.25	4-PH	2-ATM	2-SYS-HK	4126.9	1204.4	10 244.6	6 430.5	5443.0	3.38	1.50
636.75	4-M092-S	2-ATM	4-M092-O	4126.4	1204.4	10 244.2	6 429.9	5442.2	3.38	1.49
637.75	4-M171-S	2-ATM	4-M171-O	4125.5	1204.3	10 243.6	6 429.9	5441.5	3.37	1.49
639.00	4-EAT	4-EAT	4-EAT	4124.4	1204.2	10 242.7	6 429.9	5440.6	3.37	1.49
640.00	4-M071	4-M071	4-M071	4123.4	1204.1	10 242.0	6 429.9	5440.0	3.38	1.48
640.25	4-PLN	2-ATM	4-PLN	4123.2	1204.1	10 241.9	6 429.9	5439.8	3.38	1.48
641.25	4-R-R	2-ATM	4-R-R	4122.3	1204.1	10 241.2	6 429.9	5439.1	3.38	1.48
642.25	4-PH	4-PH	4-PH	4121.3	1204.1	10 240.5	6 429.9	5438.4	3.38	1.48
642.75	4-M071	4-M071	4-M071	4120.9	1204.1	10 240.2	6 429.0	5437.2	3.38	1.48
643.00	4-SLEEP	4-SLEEP	4-SLEEP	4120.6	1204.0	10 240.0	6 429.0	5437.0	3.38	1.47
651.00	4-PH	4-PH	4-PH	4113.3	1203.8	10 234.6	6 429.0	5431.6	3.41	1.45
651.50	4-EAT	4-EAT	4-EAT	4112.8	1203.8	10 234.3	6 428.1	5430.3	3.42	1.45
652.50	4-M071	4-M071	4-M071	4111.9	1203.7	10 233.6	6 428.1	5429.7	3.42	1.45
653.00	4-SYS-HK	3-EVAPRP	3-EVAPRP	4111.5	1203.7	10 233.3	6 428.1	5429.3	3.42	1.45
654.00	4-SYS-HK	3-HDWPRP	3-HDWPRP	4110.6	1203.7	10 232.6	6 427.6	5428.2	3.42	1.44
654.50	4-S183SU	3-DONSUT	3-DONSUT	4110.1	1203.7	10 232.3	6 427.4	5427.6	3.42	1.44
654.75	4-S183SU	3-SUTACT	3-SUTACT	4109.9	1203.7	10 232.2	6 427.4	5427.5	3.42	1.44
655.33	2-EVAWCH	3-EGRESS	3-EGRESS	4099.0	1203.6	10 231.7	6 427.4	5427.1	3.58	1.44
655.66	2-EVAMON	3-EVA	3-EVA	4092.9	1203.6	10 231.5	6 427.4	5426.9	3.58	1.44
658.00	2-EVAMON	3-INGRES	3-INGRES	4049.5	1203.5	10 229.9	6 427.4	5425.3	3.57	1.44
658.25	2-EVAMON	3-DESUIT	3-DESUIT	4044.8	1203.5	10 229.7	6 427.4	5425.1	3.57	1.44

TABLE 6.0-Ⅱ.- Continued.

TIME	ASTRO1	ASTRO 2	ASTRO 3	O2 TANK	N2 TANK	MET-EXP H2O TANK	WMC H2O TANK	TOTAL H2O TNKS	O2 PP	N2 PP
658.60	2-EVAMON	2-PSTEVA	2-PSTEVA	4044.6	1203.5	10 229.5	6 427.4	5424.9	3.53	1.41
659.00	2-EVAATM	2-PSTEVA	2-PSTEVA	4044.3	1203.5	10 229.2	6 427.4	5424.6	3.52	1.41
660.00	4-M071	2-PSTEVA	2-PSTEVA	4043.5	1203.5	10 228.5	6 427.4	5423.9	3.52	1.41
660.50	4-PH	2-EAT	4-EAT	4043.1	1203.5	10 228.2	6 427.4	5423.6	3.51	1.41
661.00	4-M479	2-EAT	4-EAT	4042.7	1203.4	10 227.9	6 427.1	5422.9	3.51	1.41
661.50	4-M479	4-M071	4-M071	4042.3	1203.4	10 227.5	6 427.1	5422.6	3.51	1.41
662.00	4-M479I8	4-PH	4-PH	4041.9	1203.4	10 227.2	6 427.1	5422.3	3.51	1.40
662.50	4-M479	4-S183-6	2-ATM	4041.5	1203.4	10 226.9	6 426.5	5421.3	3.50	1.40
663.75	4-M479	4-S183ST	2-ATM	4040.5	1203.4	10 226.0	6 426.5	5420.5	3.51	1.40
664.00	4-EAT	4-EAT	2-EAT	4040.3	1203.3	10 225.8	6 426.5	5420.3	3.51	1.39
665.00	4-M071	4-M071	2-M071	4039.4	1203.3	10 225.2	6 426.5	5419.6	3.51	1.39
665.25	4-PLN	4-PLN	2-ATM	4039.2	1203.3	10 225.0	6 426.5	5419.4	3.51	1.39
666.25	4-PH	4-PH	4-PH	4038.4	1203.3	10 224.3	6 426.5	5418.8	3.51	1.39
666.75	4-M071	4-M071	4-M071	4037.9	1203.3	10 224.0	6 425.5	5417.5	3.51	1.39
667.00	4-SLEEP	4-SLEEP	4-SLEEPM	4037.7	1203.2	10 223.8	6 425.5	5417.3	3.51	1.39
675.00	4-PH	4-PH	4-PH	4030.9	1203.0	10 218.4	6 425.5	5411.9	3.53	1.37
675.50	4-EAT	4-EAT	4-EAT	4030.5	1203.0	10 218.1	6 424.6	5410.7	3.53	1.36
676.50	4-M071	4-M071	4-M071	4029.7	1202.9	10 217.4	6 424.6	5410.0	3.53	1.36
677.00	4-M487-1	4-M487-1	4-M487-1	4029.2	1202.9	10 217.1	6 424.6	5409.7	3.53	1.36
677.16	4-SYS-HK	4-SYS-HK	2-ATM	4029.1	1202.9	10 217.0	6 424.6	5409.5	3.53	1.36
677.50	4-S183SU	4-SYS-HK	2-ATM	4028.8	1202.9	10 216.7	6 424.3	5409.0	3.53	1.36
678.25	4-EREPDP	4-S183-1	2-ATM	4028.2	1202.9	10 216.2	6 423.9	5408.2	3.53	1.36
679.25	4-EREPDP	4-EREP	2-EREP	4027.3	1202.8	10 215.5	6 423.9	5407.5	3.54	1.36
680.00	2-ATM	4-M092-S	4-M092-0	4026.7	1202.8	10 215.0	6 423.9	5407.0	3.54	1.35
681.00	2-EAT	4-M093-S	4-M093-0	4025.8	1202.7	10 214.4	6 423.9	5406.3	3.53	1.35
682.00	4-M071	4-EAT	2-EAT	4024.9	1202.7	10 213.7	6 423.9	5405.6	3.53	1.35
682.50	4-PH	4-M071	2-ATM	4024.4	1202.6	10 213.4	6 423.9	5405.3	3.53	1.34
683.00	4-S183-1	2-ATM	4-M071	4024.0	1202.6	10 213.0	6 423.6	5404.7	3.53	1.34
683.75	4-S183ST	2-ATM	4-SYS-HK	4023.3	1202.6	10 212.5	6 423.6	5404.1	3.53	1.34
684.25	4-SYS-HK	2-ATM	4-SYS-HK	4022.9	1202.6	10 212.2	6 423.4	5403.6	3.53	1.34
685.00	4-SYS-HK	4-PH	4-SYS-HK	4022.2	1202.5	10 211.7	6 422.7	5402.4	3.53	1.34
685.50	2-ATM	4-M092-0	4-M092-S	4021.7	1202.5	10 211.3	6 422.0	5401.3	3.54	1.34
686.50	2-ATM	4-M093-0	4-M093-S	4020.8	1202.4	10 210.7	6 422.0	5400.6	3.53	1.33
687.00	4-EAT	4-EAT	4-EAT	4020.3	1202.4	10 210.3	6 422.0	5400.3	3.53	1.33
688.00	4-M071	4-M071	4-M071	4019.4	1202.4	10 209.6	6 422.0	5399.6	3.53	1.33
688.25	2-ATM	4-PLN	4-PLN	4019.2	1202.3	10 209.5	6 422.0	5399.5	3.53	1.33
689.25	2-ATM	4-R-R	4-R-R	4018.2	1202.3	10 208.8	6 422.0	5398.8	3.53	1.32
690.25	4-PH	4-PH	4-PH	4017.3	1202.3	10 208.1	6 422.0	5398.1	3.54	1.32
690.75	4-M071	4-M071	4-M071	4016.8	1202.3	10 207.8	6 421.1	5396.8	3.54	1.32
691.00	4-SLEEP	4-SLEEP	4-SLEEP	4016.6	1202.3	10 207.6	6 421.1	5396.7	3.54	1.32
699.00	4-PH	4-PH	4-PH	4009.2	1202.0	10 202.2	6 421.1	5391.3	3.57	1.30
699.50	4-EAT	4-EAT	4-EAT	4008.8	1202.0	10 201.9	6 420.1	5390.0	3.57	1.30
700.50	4-M071	4-M071	4-M071	4007.9	1201.9	10 201.2	6 420.1	5389.3	3.57	1.30
701.00	4-SYS-HK	2-ATM	4-S020ST	4007.4	1201.9	10 200.9	6 420.1	5389.0	3.57	1.29
701.50	4-EREPDP	2-ATM	4-SYS-HK	4006.9	1201.9	10 200.5	6 419.9	5388.4	3.57	1.29
702.25	4-EREPDP	2-EREP	4-S063SU	4006.3	1201.9	10 200.0	6 419.6	5387.6	3.57	1.29
703.00	4-EREPDP	2-EREP	4-S063ST	4005.6	1201.9	10 199.5	6 419.6	5387.1	3.58	1.29
703.50	2-OPEN	2-ATM	4-SYS-HK	4005.1	1201.8	10 199.2	6 419.6	5386.7	3.58	1.29
705.00	2-EAT	4-EAT	4-EAT	4003.7	1201.8	10 198.2	6 418.9	5385.1	3.58	1.29
706.00	2-ATM	4-M071	4-M071	4002.8	1201.8	10 197.5	6 418.9	5384.4	3.58	1.28

TABLE 6.0 - Ⅱ. - Continued.

TIME	ASTRO1	ASTRO 2	ASTRO 3	O2 TANK	N2 TANK	MET-EXP H2O TANK	WMC H2O TANK	TOTAL H2O TNKS	O2 PP	N2 PP
706.50	4-M071	4-PH	4-PH	4002.4	1201.7	10 197.2	6 418.9	5384.1	3.58	1.28
707.00	4-PH	4-SYS-HK	2-ATM	4001.9	1201.7	10 196.8	6 418.3	5383.1	3.59	1.28
707.50	4-M50920	4-M50925	2-ATM	4001.5	1201.7	10 196.5	6 417.8	5382.2	3.59	1.28
708.66	4-M50920	4-M509	2-ATM	4001.0	1178.5	10 195.7	6 417.8	5381.4	3.58	1.68
709.33	4-M092-S	2-ATM	4-M092-O	4001.0	1178.4	10 195.2	6 417.8	5381.0	3.57	1.68
710.33	4-M093-S	2-ATM	4-M093-O	4001.0	1178.3	10 194.6	6 417.8	5380.3	3.56	1.68
711.00	4-EAT	4-EAT	4-EAT	4001.0	1178.3	10 194.1	6 417.8	5379.9	3.55	1.67
712.00	4-M071	4-M071	4-M071	4001.0	1178.3	10 193.4	6 417.8	5379.2	3.54	1.67
712.25	4-PLN	2-ATM	4-SYS-HK	4001.0	1178.2	10 193.3	6 417.8	5379.0	3.54	1.67
713.25	4-R-R	2-ATM	4-R-R	4001.0	1178.2	10 192.6	6 417.3	5377.9	3.52	1.67
714.25	4-PH	4-PH	4-PH	4000.9	1178.2	10 191.9	6 417.3	5377.2	3.51	1.66
714.75	4-M071	4-M071		4000.8	1178.2	10 191.6	6 414.4	5376.0	3.51	1.66
715.00	4-SLEEP	4-SLEEP	4-SLEEPM	4000.8	1178.2	10 191.4	6 416.4	5375.8	3.50	1.66
723.00	4-PH	4-PH	4-PH	3998.8	1177.9	10 186.0	6 416.4	5370.4	3.45	1.64
723.50	4-EAT	4-EAT	4-EAT	3998.6	1177.9	10 185.7	6 415.4	5369.1	3.45	1.63
724.50	4-M071	4-M071	4-M071	3998.2	1177.8	10 185.0	6 415.4	5368.4	3.44	1.63
725.00	4-M487-2	4-M487-2	4-M487-2	3998.0	1177.8	10 184.7	6 415.4	5368.1	3.44	1.63
725.25	4-M20SAM	4-PORH20	4-OFFDTY	3997.9	1177.8	10 184.5	6 415.4	5367.9	3.44	1.63
725.75	4-OFFDTY	4-OFFDTY	4-OFFDTY	3997.7	1177.7	10 157.0	6 415.4	5340.5	3.43	1.63
729.00	4-EAT	4-EAT	4-EAT	3996.2	1177.6	10 154.8	6 415.4	5338.3	3.42	1.62
730.00	4-M071	4-M071	4-M071	3995.7	1177.5	10 154.2	6 415.4	5337.6	3.42	1.61
730.50	4-PH	4-PH	4-PH	3995.4	1177.5	10 153.8	6 415.4	5337.3	3.41	1.61
731.00	4-OFFDTY	4-OFFDTY	4-OFFDTY	3995.1	1177.5	10 153.5	6 414.5	5336.0	3.41	1.61
735.00	4-EAT	4-EAT	4-EAT	3992.8	1177.4	10 150.8	6 414.5	5333.3	3.40	1.60
736.00	4-M071	4-M071	4-M071	3992.2	1177.3	10 150.1	6 414.5	5332.6	3.40	1.60
736.25	4-PLN	4-PLN	4-PLN	3992.1	1177.3	10 149.9	6 414.5	5332.5	3.40	1.59
737.25	4-R-R	4-R-R	4-R-R	3991.4	1177.3	10 149.3	6 414.5	5331.8	3.40	1.59
738.25	4-PH	4-PH	4-PH	3990.8	1177.3	10 148.6	6 414.5	5331.1	3.40	1.59
738.75	4-M071	4-M071	4-M071	3990.5	1177.2	10 148.3	6 413.6	5329.8	3.39	1.59
739.00	4-SLEEP	4-SLEEP	4-SLEEP	3990.3	1177.2	10 148.1	6 413.6	5329.7	3.39	1.59
747.00	4-PH	4-PH	4-PH	3984.9	1177.0	10 142.7	6 413.6	5324.3	3.39	1.56
747.50	4-EAT	4-EAT	4-EAT	3984.5	1176.9	10 142.4	6 412.6	5323.0	3.39	1.56
748.50	4-M071	4-M071	4-M071	3983.8	1176.9	10 141.7	6 412.6	5322.3	3.39	1.56
749.00	2-ATM	4-SYS-HK	4-SYS-HK	3983.4	1176.9	10 141.3	6 412.6	5322.0	3.39	1.56
750.00	2-ATM	4-SYS-HK	4-OPEN	3982.7	1176.9	10 140.7	6 411.8	5320.4	3.39	1.55
751.00	2-ATM	4-M092-S	4-M092-O	3982.0	1176.8	10 140.0	6 411.3	5319.3	3.39	1.55
752.00	2-ATM	4-M171-S	4-M171-O	3981.2	1176.7	10 139.3	6 411.3	5318.6	3.38	1.54
753.00	4-EAT	2-ATM	4-EAT	3980.4	1176.6	10 138.6	6 411.3	5317.9	3.38	1.54
754.00	4-M071	2-ATM	4-M071	3979.6	1176.6	10 138.0	6 411.3	5317.3	3.38	1.54
754.50	4-EREP	4-M071	4-PH	3979.2	1176.5	10 137.6	6 411.3	5316.9	3.38	1.54
755.00	4-EREP	4-PH	4-SYS-HK	3978.8	1176.5	10 137.3	6 411.0	5316.3	3.38	1.54
755.50	4-EREP	4-EREP	4-S063SU	3978.4	1176.5	10 137.0	6 410.5	5315.4	3.38	1.53
756.00	4-EREP	4-SYS-HK	4-S063	3978.0	1176.5	10 136.6	6 410.5	5315.1	3.38	1.53
756.75	4-PH	4-SYS-HK	4-S063ST	3977.4	1176.5	10 136.1	6 410.1	5314.2	3.38	1.53
757.00	2-ATM	4-M092-O	4-M092-S	3977.2	1176.5	10 135.9	6 409.9	5313.8	3.38	1.53
758.00	2-ATM	4-M171-O	4-M171-S	3976.4	1176.3	10 135.3	6 409.9	5313.1	3.37	1.52
759.00	4-EAT	4-EAT	4-EAT	3975.5	1176.2	10 134.6	6 409.9	5312.5	3.38	1.52
760.00	4-M071	4-M071	4-M071	3974.7	1176.2	10 133.9	6 409.9	5311.8	3.38	1.52
760.25	4-PLN	4-PLN	2-ATM	3974.5	1176.2	10 133.7	6 409.9	5311.6	3.38	1.52
761.25	4-R-R	4-R-R	2-ATM	3973.6	1176.2	10 133.1	6 409.9	5310.9	3.38	1.52

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TABLE 6.0 -II.- Continued.

TIME	ASTRO1	ASTRO 2	ASTRO 3	O2 TANK	N2 TANK	MET-EXP H2O TANK	WMC H2O TANK	TOTAL H2O TNKS	O2 PP	N2 PP
762.25	4-PH	4-PH	4-PH	3972.8	1176.1	10 132.4	6 409.9	5310.3	3.38	1.51
762.75	4-M071	4-M071	4-M071	3972.4	1174.1	10 132.1	6 408.9	5309.0	3.38	1.51
763.00	4-SLEEP	4-SLEEP	4-SLEEPM	3972.1	1176.1	10 131.9	6 408.9	5308.8	3.38	1.51
771.00	4-PH	4-PH	4-PH	3965.3	1175.8	10 126.5	6 408.9	5303.4	3.41	1.49
771.50	4-EAT	4-EAT	4-EAT	3964.9	1175.8	10 126.2	6 408.0	5302.1	3.41	1.49
772.50	4-M071	4-M071	4-M071	3964.0	1175.8	10 125.5	6 408.0	5301.5	3.41	1.48
773.00	4-M487-3	4-M487-3	4-M487-3	3963.6	1175.8	10 125.1	6 408.0	5301.1	3.41	1.48
773.25	4-M479-2	4-SYS-HK	2-ATM	3963.4	1175.8	10 125.0	6 408.0	5301.0	3.41	1.48
774.50	4-M479	2-OPEN	2-ATM	3962.3	1175.7	10 124.1	6 407.4	5299.6	3.41	1.48
775.25	4-SYS-HK	2-SYS-HK	2-ATM	3961.6	1175.7	10 123.6	6 407.4	5299.1	3.41	1.47
776.25	4-EAT	2-SYS-HK	2-ATM	3960.8	1175.6	10 122.9	6 406.6	5297.5	3.41	1.47
777.25	4-M071	4-EAT	2-EAT	3959.9	1175.6	10 122.3	6 406.1	5296.4	3.41	1.47
778.00	4-EREPDP	4-M071	2-M071	3959.2	1175.6	10 121.8	6 404.1	5295.9	3.41	1.47
778.50	4-EREPDP	4-T003-2	4-S063SU	3958.8	1175.6	10 121.4	6 406.1	5295.5	3.41	1.46
779.00	4-EREPDP	2-EREP	4-S063ST	3958.3	1175.6	10 121.1	6 406.1	5295.2	3.42	1.46
780.00	4-PH	2-ATM	4-PH	3957.4	1175.5	10 120.4	6 406.1	5294.5	3.42	1.46
780.50	4-OPEN	2-ATM	4-SYS-HK	3957.0	1175.5	10 120.1	6 405.5	5293.6	3.42	1.46
781.00	4-M092-S	4-PH	4-M092-0	3956.6	1175.5	10 119.7	6 405.3	5293.0	3.42	1.46
782.00	4-M171-S	2-ATM	4-M171-0	3955.6	1175.4	10 119.1	6 404.6	5291.7	3.41	1.45
783.00	4-EAT	4-EAT	4-EAT	3954.7	1175.3	10 118.4	6 404.6	5291.0	3.41	1.45
783.75	4-EAT	4-EAT	4-T003-3	3954.0	1175.2	10 117.9	6 404.6	5290.5	3.41	1.45
784.00	4-M071	4-M071	4-M071	3953.8	1175.2	10 117.7	6 404.6	5290.4	3.42	1.45
784.25	2-SYS-HK	4-PLN	4-PLN	3953.6	1175.2	10 117.5	6 404.6	5290.2	3.42	1.45
785.25	2-ATM	4-R-R	4-R-R	3952.6	1175.2	10 116.9	6 404.2	5289.1	3.42	1.44
786.25	4-PH	4-PH	4-PH	3951.7	1175.1	10 116.2	6 404.2	5288.4	3.42	1.44
786.75	4-M071	4-M071	4-M071	3951.3	1175.1	10 115.9	6 403.3	5287.1	3.42	1.44
787.00	4-SLEEP	4-SLEEP	4-SLEEP	3951.0	1175.1	10 115.7	6 403.3	5287.0	3.42	1.44
795.00	4-PH	4-PH	4-PH	3943.7	1174.9	10 110.3	6 403.3	5281.6	3.45	1.42
795.50	4-EAT	4-EAT	4-EAT	3943.3	1174.8	10 110.0	6 402.3	5280.3	3.45	1.42
796.50	4-M071	4-M071	4-M071	3942.4	1174.8	10 109.3	6 402.3	5279.6	3.46	1.41
797.00	4-M50930	4-M509	2-ATM	3941.9	1174.8	10 108.9	6 402.3	5279.3	3.46	1.41
799.00	4-M50930	4-M50935	2-ATM	3940.1	1174.7	10 107.6	6 402.3	5277.9	3.46	1.41
800.33	4-EAT	4-SYS-HK	2-ATM	3923.4	1148.1	10 106.7	6 402.3	5277.0	3.69	1.86
800.90	4-EAT	4-EAT	2-EAT	3923.4	1148.1	10 106.3	6 402.1	5276.4	3.65	1.84
801.25	4-EREPDP	4-EAT	2-EAT	3923.4	1148.0	10 106.1	6 402.1	5276.1	3.64	1.84
801.75	4-EREPDP	4-M071	2-M071	3923.4	1148.0	10 105.7	6 402.1	5275.8	3.64	1.84
802.25	4-EREPDP	4-EREP	2-EREP	3923.4	1148.0	10 105.4	6 402.1	5275.5	3.63	1.84
803.00	4-M071	4-PH	4-PH	3923.4	1148.0	10 104.9	6 402.1	5275.0	3.62	1.83
803.50	4-SYS-HK	4-OPEN	4-S063SU	3923.4	1148.0	10 104.6	6 401.5	5274.0	3.62	1.83
804.00	4-EREPDP	4-EREP	4-S063ST	3923.4	1148.0	10 104.2	6 401.2	5273.4	3.61	1.83
805.00	4-EAT	2-ATM	4-M479	3923.4	1147.9	10 103.5	6 401.2	5272.5	3.60	1.83
805.50	4-SYS-HK	2-ATM	4-M479-3	3923.4	1147.9	10 103.2	6 401.2	5272.4	3.59	1.82
807.00	4-EAT	4-EAT	4-EAT	3923.4	1147.8	10 100.7	6 400.6	5269.3	3.57	1.82
808.00	4-M071	4-M071	4-M071	3923.4	1147.8	10 100.0	6 400.6	5268.6	3.56	1.82
808.25	4-PLN	2-ATM	4-PLN	3923.4	1147.8	10 99.8	6 400.6	5268.4	3.56	1.81
809.25	4-R-R	2-ATM	4-R-R	3923.4	1147.8	10 99.2	6 400.6	5267.7	3.55	1.81
810.25	4-PH	4-PH	4-PH	3923.4	1147.7	10 98.5	6 400.6	5267.1	3.53	1.81
810.75	4-M071	4-M071	4-M071	3923.4	1147.7	10 98.2	6 399.6	5265.8	3.53	1.81
811.00	4-SLEEP	4-SLEEP	4-SLEEPM	3923.4	1147.7	10 98.0	6 399.6	5265.6	3.52	1.80
819.00	4-PH	4-PH	4-PH	3923.4	1147.4	10 92.6	6 399.6	5260.2	3.44	1.78

TABLE 6.0-Ⅱ.- Continued.

TIME	ASTRO1	ASTRO 2	ASTRO 3	O2 TANK	N2 TANK	MET-EXP H2O TANK		WMC H2O TANK		TOTAL H2O TNKS	O2 PP	N2 PP
819.50	4-EAT	4-EAT	4-EAT	3923.4	1147.4	10	92.3	6	398.7	5259.0	3.43	1.77
820.50	4-M071	4-M071	4-M071	3923.4	1147.4	10	91.6	6	398.7	5258.3	3.42	1.77
821.00	2-ATM	4-SYS-HK	2-SYS-HK	3923.4	1147.4	10	91.2	6	398.7	5257.9	3.42	1.77
822.00	2-ATM	4-SYS-HK	4-S020SU	3923.3	1147.3	10	90.6	6	397.8	5256.4	3.40	1.77
823.50	2-ATM	4-M092-S	4-M092-0	3923.1	1147.3	10	89.6	6	397.1	5254.7	3.39	1.76
824.50	4-EAT	4-M093-S	4-M093-0	3922.9	1147.2	10	88.9	6	397.1	5254.0	3.37	1.75
825.00	4-EAT	2-EAT	4-EAT	3922.7	1147.1	10	88.5	6	397.1	5253.7	3.37	1.75
825.50	4-M071	2-EAT	4-EAT	3922.6	1147.1	10	88.2	6	397.1	5253.3	3.36	1.75
826.00	4-EREPDP	4-M071	4-M071	3922.4	1147.1	10	87.9	6	397.1	5253.0	3.36	1.75
826.50	4-EREPDP	4-PH	4-OPEN	3922.3	1147.1	10	87.5	6	397.1	5252.7	3.36	1.75
827.00	4-EREPDP	4-EREP	4-S063SU	3922.1	1147.1	10	87.2	6	396.8	5252.0	3.35	1.74
827.50	4-EREPDP	4-EREP	4-S063ST	3921.9	1147.1	10	86.9	6	396.8	5251.7	3.35	1.74
828.00	4-PH	2-ATM	4-PH	3921.8	1147.0	10	86.5	6	396.8	5251.3	3.35	1.74
828.50	2-SYS-HK	2-ATM	4-S020-1	3921.6	1147.0	10	86.2	6	396.2	5250.4	3.34	1.74
829.25	2-ATM	4-M092-0	4-M092-S	3921.3	1147.0	10	85.7	6	395.9	5249.5	3.34	1.74
830.25	2-ATM	4-M093-0	4-M093-S	3920.8	1146.9	10	85.0	6	395.9	5248.9	3.32	1.73
831.00	4-EAT	4-EAT	4-EAT	3920.5	1146.8	10	84.5	6	395.9	5248.4	3.32	1.73
831.75	4-M487-4	4-M487-4	4-M487-4	3920.1	1146.8	10	84.0	6	395.9	5247.9	3.32	1.72
832.00	4-M071	4-M071	4-M071	3920.0	1146.8	10	83.8	6	395.9	5247.7	3.31	1.72
832.25	4-PLN	4-PLN	4-SYS-HK	3919.9	1146.8	10	83.6	6	395.9	5247.5	3.31	1.72
833.25	4-R-R	4-R-R	2-ATM	3919.3	1146.8	10	83.0	6	395.4	5246.4	3.31	1.72
834.25	4-PH	4-PH	4-PH	3918.8	1146.7	10	82.3	6	395.4	5245.7	3.31	1.71
834.75	4-M071	4-M071	4-M071	3918.5	1146.7	10	82.0	6	394.5	5244.5	3.31	1.71
835.00	4-SLEEP	4-SLEEP	4-SLEEP	3918.4	1146.7	10	81.8	6	394.5	5244.3	3.30	1.71
843.00	4-PH	4-PH	4-PH	3913.6	1146.5	10	76.4	6	394.5	5238.9	3.30	1.69
843.50	4-EAT	4-EAT	4-EAT	3913.2	1146.4	10	76.1	6	393.6	5237.6	3.30	1.68
844.50	4-M071	4-M071	4-M071	3912.6	1146.4	10	75.4	6	393.6	5236.9	3.30	1.68
845.00	2-ATM	4-SYS-HK	2-SYS-HK	3912.2	1146.4	10	75.0	6	393.6	5236.6	3.29	1.68
845.50	2-ATM	4-SYS-HK	4-S020-1	3911.9	1146.4	10	74.7	6	393.1	5235.8	3.29	1.68
846.25	2-ATM	4-SYS-HK	4-OPEN	3911.4	1146.3	10	74.2	6	392.8	5235.0	3.29	1.68
847.75	2-EAT	4-M131AS	4-M131A0	3910.4	1146.3	10	73.2	6	392.1	5233.3	3.29	1.67
848.25	2-EAT	4-M131A0	4-M131AS	3910.0	1146.3	10	72.8	6	392.1	5233.0	3.29	1.67
849.00	4-M071	4-EAT	2-EAT	3909.5	1146.2	10	72.3	6	392.1	5232.5	3.29	1.67
849.50	4-EREPDP	4-EAT	2-EAT	3909.2	1146.2	10	72.0	6	392.1	5232.1	3.29	1.67
850.00	4-EREPDP	4-M071	2-M071	3908.8	1146.2	10	71.7	6	392.1	5231.8	3.29	1.66
850.50	4-EREPDP	4-EREP	2-EREP	3908.4	1146.2	10	71.3	6	392.1	5231.5	3.29	1.66
851.25	4-PH	4-PH	4-PH	3907.9	1146.2	2	670.8	6	392.1	5230.9	3.29	1.66
851.75	4-OPEN	4-OPEN	4-S063SU	3907.5	1146.1	2	670.5	6	391.2	5229.7	3.29	1.66
852.25	4-EREPDP	2-EREP	4-S063ST	3907.2	1146.1	2	670.1	6	391.2	5229.3	3.29	1.66
853.00	4-OPEN	2-ATM	4-SYS-HK	3906.6	1146.1	2	669.6	6	391.2	5228.8	3.29	1.65
853.25	4-M092-S	2-ATM	4-M092-0	3906.4	1146.1	2	669.5	6	391.1	5228.5	3.29	1.65
854.25	4-M093-S	2-ATM	4-M093-0	3905.7	1146.0	2	668.8	6	391.1	5227.9	3.28	1.65
855.00	4-EAT	4-EAT	4-EAT	3905.1	1145.9	2	668.3	6	391.1	5227.4	3.28	1.64
856.00	4-M071	4-M071	4-M071	3904.3	1145.9	2	667.6	6	391.1	5226.7	3.28	1.64
856.25	2-ATM	4-SYS-HK	4-S020-1	3904.1	1145.9	2	667.4	6	391.1	5226.5	3.28	1.64
857.25	2-ATM	4-R-R	4-R-R	3903.3	1145.9	2	666.8	6	390.6	5225.4	3.28	1.64
858.25	4-PH	4-PH	4-PH	3902.5	1145.8	2	666.1	6	390.6	5224.7	3.28	1.63
858.75	4-M071	4-M071	4-M071	3902.1	1145.8	2	665.8	6	389.7	5223.5	3.28	1.63
859.00	4-SLEEP	4-SLEEP	4-SLEEPM	3901.9	1145.8	2	665.6	6	389.7	5223.3	3.28	1.63
867.00	4-PH	4-PH	4-PH	3895.4	1145.6	2	660.2	6	389.7	5217.9	3.30	1.61

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TABLE 6.0-Ⅱ.- Continued.

TIME	ASTRO1	ASTRO 2	ASTRO 3	O2 TANK	N2 TANK	MET-EXP H2O TANK	WMC H2O TANK	TOTAL H2O TNKS	O2 PP	N2 PP
867.50	4-EAT	4-EAT	4-EAT	3895.0	1145.5	2 659.9	6 388.8	5216.6	3.30	1.61
868.50	4-M071	4-M071	4-M071	3894.2	1145.5	2 659.2	6 388.8	5215.9	3.30	1.60
869.00	4-M487-6	4-M487-6	4-M487-6	3893.8	1145.5	2 658.8	6 388.8	5215.6	3.31	1.60
869.16	4-OFFDTY	4-OFFDTY	4-OFFDTY	3893.6	1145.5	2 658.7	6 388.8	5215.5	3.31	1.60
873.00	4-EAT	4-EAT	4-EAT	3890.4	1145.4	2 656.1	6 388.8	5212.9	3.31	1.59
874.00	4-M071	4-M071	4-M071	3889.6	1145.3	2 655.5	6 388.8	5212.2	3.31	1.59
874.50	4-PH	4-PH	4-PH	3889.2	1145.3	2 655.1	6 388.8	5211.9	3.31	1.58
875.00	4-OFFDTY	4-OFFDTY	4-OFFDTY	3888.7	1145.3	2 654.8	6 387.8	5210.6	3.31	1.58
879.00	4-EAT	4-EAT	4-EAT	3885.3	1145.1	2 652.1	6 387.8	5207.9	3.32	1.57
880.00	4-M071	4-M071	4-M071	3884.5	1145.1	2 651.4	6 387.8	5207.2	3.32	1.57
880.25	4-PLN	4-PLN	4-PLN	3884.3	1145.1	2 651.2	6 387.8	5207.1	3.32	1.57
881.25	4-R-R	4-R-R	4-R-R	3883.4	1145.1	2 650.6	6 387.8	5206.4	3.33	1.56
882.25	4-PH	4-PH	4-PH	3882.5	1145.0	2 649.9	6 387.8	5205.7	3.33	1.56
882.75	4-M071	4-M071	4-M071	3882.1	1145.0	2 649.6	6 386.9	5204.5	3.33	1.56
883.00	4-SLEEP	4-SLEEP	4-SLEEP	3881.9	1145.0	2 649.4	6 386.9	5204.3	3.33	1.56
891.00	4-PH	4-PH	4-PH	3875.0	1144.8	2 644.0	6 386.9	5198.9	3.35	1.54
891.50	4-EAT	4-EAT	4-EAT	3874.5	1144.7	2 643.7	6 386.0	5197.6	3.35	1.54
892.50	4-M071	4-M071	4-M071	3873.7	1144.7	2 643.0	6 386.0	5196.9	3.36	1.53
893.00	2-ATM	4-SYS-HK	4-SYS-HK	3873.2	1144.7	2 642.6	6 386.0	5196.6	3.36	1.53
894.00	2-ATM	4-SYS-HK	4-S020-1	3872.4	1144.6	2 642.0	6 385.1	5195.0	3.36	1.53
894.75	2-ATM	4-M092-S	4-M092-0	3871.7	1144.6	2 641.5	6 384.7	5194.2	3.36	1.53
895.75	2-ATM	4-M171	4-M171-0	3870.8	1144.5	2 640.8	6 384.7	5193.5	3.35	1.52
896.00	2-EAT	4-M171-S	4-M171-0	3870.6	1144.5	2 640.6	6 384.7	5193.4	3.35	1.52
897.00	4-M071	2-EAT	4-EAT	3869.7	1144.4	2 639.9	6 384.7	5192.7	3.35	1.52
897.75	4-EREPDP	4-M071	4-M071	3869.0	1144.4	2 639.4	6 384.7	5192.2	3.36	1.51
898.25	4-EREPDP	4-EREP	4-S063SU	3868.6	1144.3	2 639.1	6 384.7	5191.8	3.36	1.51
899.00	4-EREPDP	4-EREP	4-S063ST	3867.9	1144.3	2 638.6	6 384.7	5191.3	3.36	1.51
899.50	2-ATM	4-PH	4-S020ST	3867.4	1144.3	2 638.3	6 384.7	5191.0	3.36	1.51
900.00	2-ATM	4-SYS-HK	4-PH	3867.0	1144.3	2 637.9	6 384.4	5190.4	3.36	1.51
900.50	2-ATM	4-SYS-HK	4-SYS-HK	3866.5	1144.3	2 637.6	6 383.9	5189.5	3.36	1.51
901.00	4-PH	4-M092-0	4-M092-S	3866.1	1144.2	2 637.2	6 383.5	5188.7	3.36	1.51
901.50	2-ATM	4-M092-0	4-M092	3865.6	1144.1	2 636.9	6 383.1	5188.0	3.35	1.50
902.00	2-ATM	4-M171-0	4-M171-S	3865.1	1144.1	2 636.6	6 383.1	5187.7	3.35	1.50
903.00	4-EAT	4-EAT	4-EAT	3864.2	1144.0	2 635.9	6 383.1	5187.0	3.36	1.50
904.00	4-M071	4-M071	4-M071	3863.3	1144.0	2 635.2	6 383.1	5186.4	3.36	1.49
904.25	4-PLN	2-ATM	4-PLN	3863.0	1144.0	2 635.0	6 383.1	5186.2	3.36	1.49
905.25	4-R-R	2-SYS-HK	4-R-R	3862.1	1143.9	2 634.4	6 383.1	5185.5	3.36	1.49
906.25	4-PH	4-PH	4-PH	3861.2	1143.9	2 633.7	6 382.7	5184.4	3.37	1.49
906.75	4-M071	4-M071	4-M071	3860.7	1143.9	2 633.4	6 381.8	5183.1	3.37	1.49
907.00	4-SLEEP	4-SLEEP	4-SLEEPM	3860.5	1143.9	2 633.2	6 381.8	5183.0	3.37	1.49
915.00	4-PH	4-PH	4-PH	3853.1	1143.6	2 627.8	6 381.8	5177.6	3.40	1.46
915.25	4-M487-6	4-M487-6	4-M487-6	3852.9	1143.6	2 627.6	6 381.3	5176.9	3.40	1.46
915.50	4-EAT	4-EAT	4-EAT	3852.6	1143.6	2 627.5	6 381.3	5176.8	3.40	1.46
916.50	4-M071	4-M071	4-M071	3851.7	1143.6	2 626.8	6 381.3	5176.1	3.41	1.46
917.50	4-S073SU	2-ATM	4-M479-4	3850.8	1143.5	2 626.1	6 381.3	5175.4	3.41	1.46
918.50	4-SYS-HK	2-ATM	4-M479	3849.9	1143.5	2 625.4	6 381.3	5174.7	3.40	1.45
919.25	4-EAT	2-ATM	4-SYS-HK	3849.2	1143.5	2 624.9	6 381.0	5173.9	3.41	1.45
920.00	4-EAT	4-S073ST	2-ATM	3848.5	1143.4	2 624.4	6 380.6	5173.1	3.41	1.45
920.25	4-M071	4-EAT	2-EAT	3848.2	1143.4	2 624.2	6 380.6	5172.9	3.41	1.45
920.75	4-EREPDP	4-EAT	2-EAT	3847.8	1143.4	2 623.9	6 380.6	5172.5	3.41	1.45

TABLE 6.0 -Ⅱ. - Continued.

TIME	ASTRO1	ASTRO 2	ASTRO 3	O2 TANK	N2 TANK	MET-EXP H2O TANK	WMC H2O TANK	TOTAL H2O TNKS	O2 PP	N2 PP
921.50	4-EREPDP	4-M071	2-M071	3847.0	1143.4	2 623.4	6 380.6	5172.0	3.41	1.44
922.00	4-EREPDP	4-EREP	2-EREP	3846.6	1143.4	2 623.1	6 380.6	5171.7	3.41	1.44
922.75	4-PH		4-SYS-HK	3845.9	1143.4	2 622.6	6 380.6	5171.2	3.42	1.44
923.25	4-SYS-HK	2-EREP	4-S063SU	3845.4	1143.3	2 622.2	6 379.8	5170.0	3.42	1.44
924.00	4-EREPDP	2-EREP	4-S063ST	3844.7	1143.3	2 621.7	6 379.8	5169.2	3.42	1.44
924.50	4-SYS-HK	2-ATM	4-PH	3844.2	1143.3	2 621.4	6 379.5	5168.8	3.42	1.44
925.00	4-M092-S	2-ATM	4-M092-0	3843.8	1143.3	2 621.0	6 378.9	5168.0	3.42	1.43
926.00	4-M171-S	2-ATM	4-M171-0	3842.8	1143.1	2 620.4	6 378.9	5167.3	3.41	1.43
927.00	4-EAT	4-EAT	4-EAT	3841.8	1143.0	2 619.7	6 378.9	5166.6	3.42	1.43
928.00	4-M071	4-M071	4-M071	3840.9	1143.0	2 619.0	6 378.9	5165.9	3.42	1.42
928.25	4-PLN	4-PLN	2-ATM	3840.6	1143.0	2 618.8	6 378.9	5165.8	3.42	1.42
929.25	4-R-R	4-R-R	2-ATM	3839.7	1143.0	2 618.2	6 378.9	5165.1	3.42	1.42
930.25	4-PH	4-PH	4-PH	3838.7	1142.9	2 617.5	6 378.9	5164.4	3.43	1.42
930.50	4-M487-6	4-M487-6	4-M487-6	3838.5	1142.9	2 617.3	6 378.5	5163.8	3.43	1.42
930.75	4-M071	4-M071	4-M071	3838.3	1142.9	2 617.2	6 378.5	5163.6	3.43	1.42
931.00	4-SLEEP	4-SLEEP	4-SLEEP	3838.0	1142.9	2 617.0	6 378.5	5163.4	3.43	1.42
939.00	4-PH	4-PH	4-PH	3830.5	1142.7	2 611.6	6 378.5	5158.0	3.46	1.39
939.50	4-EAT	4-EAT	4-EAT	3830.0	1142.6	2 611.3	6 377.5	5156.8	3.46	1.39
940.50	4-M071	4-M071	4-M071	3829.1	1142.6	2 610.6	6 377.5	5156.1	3.47	1.39
941.00	4-MS0940	4-MS094S	2-ATM	3828.6	1142.6	2 610.2	6 377.5	5155.8	3.47	1.39
942.00	4-MS0940	4-M509	2-ATM	3828.1	1122.5	2 609.6	6 377.5	5155.1	3.46	1.74
942.75	4-OPEN	4-SYS-HK	2-ATM	3828.1	1122.5	2 609.1	6 377.5	5154.6	3.46	1.73
944.25	4-EAT	4-SYS-HK	2-ATM	3828.0	1122.5	2 608.1	6 376.9	5152.9	3.44	1.73
945.00	4-EAT	4-EAT	4-EAT	3827.9	1122.4	2 607.5	6 376.5	5152.1	3.43	1.73
945.25	4-M071	4-EAT	4-EAT	3827.8	1122.4	2 607.4	6 376.5	5151.9	3.43	1.72
946.00	4-EREPDP	4-M071	4-M071	3827.7	1122.4	2 606.9	6 376.5	5151.4	3.42	1.72
946.50	4-EREPDP	4-PH	4-S063SU	3827.6	1122.4	2 606.5	6 376.5	5151.1	3.42	1.72
947.00	4-EREPDP	4-EREP	4-S063ST	3827.5	1122.4	2 606.2	6 376.2	5150.4	3.41	1.72
948.00	4-SYS-HK	2-ATM	4-SYS-HK	3827.3	1122.3	2 605.5	6 376.2	5149.7	3.41	1.72
948.25	4-S073SU	2-ATM	4-SYS-HK	3827.2	1122.3	2 605.4	6 374.0	5149.3	3.40	1.71
949.00	4-PH	2-ATM	4-M479	3827.0	1122.3	2 604.8	6 375.7	5148.5	3.40	1.71
949.50	4-SYS-HK	2-ATM	4-M479-S	3826.8	1122.3	2 604.5	6 375.3	5147.9	3.40	1.71
950.50	4-S073-S	2-ATM	4-M479	3826.5	1122.3	2 603.8	6 374.9	5146.7	3.38	1.70
951.00	4-EAT	4-EAT	4-EAT	3826.3	1122.2	2 603.5	6 374.9	5146.4	3.38	1.70
952.00	4-M071	4-M071	4-M071	3825.9	1122.2	2 602.8	6 374.9	5145.7	3.37	1.70
952.25	2-ATM	4-PLN	4-PLN	3825.8	1122.2	2 602.7	6 374.9	5145.5	3.37	1.70
953.25	2-ATM	4-R-R	4-R-R	3825.4	1122.2	2 602.0	6 374.9	5144.9	3.37	1.69
954.25	4-PH	4-PH	4-PH	3824.9	1122.1	2 601.3	6 374.9	5144.2	3.36	1.69
954.75	4-M071	4-M071	4-M071	3824.7	1122.1	2 601.0	6 374.0	5142.9	3.36	1.69
955.00	4-SLEEP	4-SLEEP	4-SLEEPM	3824.6	1122.1	2 600.8	6 374.0	5142.8	3.36	1.69
963.00	4-PH	4-PH	4-PH	3820.3	1121.8	2 595.4	6 374.0	5137.4	3.34	1.66
963.50	4-EAT	4-EAT	4-EAT	3820.0	1121.8	2 595.1	6 373.0	5136.1	3.34	1.66
964.50	4-M071	4-M071	4-M071	3819.4	1121.8	2 594.4	6 373.0	5135.4	3.34	1.66
965.00	4-M487-6	4-M487-6	4-M487-6	3819.1	1121.8	2 594.0	6 373.0	5135.1	3.34	1.66
965.16	2-ATM	4-SYS-HK	4-OPEN	3819.0	1121.8	2 593.9	6 373.0	5135.0	3.34	1.66
967.00	2-ATM	4-M092	4-M092-0	3817.8	1121.7	2 592.7	6 372.2	5132.9	3.33	1.65
967.50	2-EAT	4-M092-S	4-M092-0	3817.5	1121.7	2 592.4	6 372.2	5132.6	3.33	1.65
968.00	2-EAT	4-M093-S	4-M093-0	3817.1	1121.6	2 592.0	6 372.2	5132.2	3.32	1.64
968.50	4-M071	2-EAT	4-EAT	3816.8	1121.6	2 591.7	6 372.2	5131.9	3.32	1.64
969.00	4-EREPDP	2-EAT	4-EAT	3816.4	1121.5	2 591.3	6 372.2	5131.6	3.32	1.64

TABLE 6.0 -II.- Continued.

TIME	ASTRO1	ASTRO 2	ASTRO 3	O2 TANK	N2 TANK	MET-EXP H2O TANK	WMC H2O TANK	TOTAL H2O TNKS	O2 PP	N2 PP
969.50	4-EREPDP	2-M071	4-M071	3816.1	1121.5	2 591.0	6 372.2	5131.2	3.32	1.64
970.00	4-EREPDP	2-EREP	4-EREP	3815.7	1121.5	2 590.7	6 372.2	5130.9	3.32	1.64
971.00	4-EREPDP	2-ATM	4-S073-S	3815.0	1121.5	2 590.0	6 372.2	5130.2	3.32	1.63
971.25	4-PH	2-ATM	4-SYS-HK	3814.8	1121.5	2 589.8	6 372.2	5130.0	3.32	1.63
971.75	4-SYS-HK	2-ATM	4-SYS-HK	3814.5	1121.5	2 589.5	6 371.7	5129.2	3.32	1.63
972.50	4-SYS-HK	4-PH	4-S073-S	3813.9	1121.4	2 589.0	6 371.0	5128.0	3.32	1.63
973.00	2-ATM	4-OPEN	4-OPEN	3813.6	1121.4	2 588.6	6 370.5	5127.1	3.32	1.63
973.25	2-ATM	4-M092-O	4-M092-S	3813.4	1121.4	2 588.5	6 370.5	5127.0	3.32	1.63
974.25	2-ATM	4-M093-O	4-M093-S	3812.6	1121.3	2 587.8	6 370.5	5126.3	3.31	1.62
975.00	4-EAT	4-EAT	4-EAT	3812.0	1121.3	2 587.3	6 370.5	5125.8	3.31	1.62
976.00	4-M071	4-M071	4-M071	3811.2	1121.2	2 586.6	6 370.5	5125.1	3.31	1.61
976.25	4-PLN	2-ATM	4-PLN	3811.0	1121.2	2 586.5	6 370.5	5124.9	3.31	1.61
977.25	4-R-R	2-ATM	4-R-R	3810.2	1121.2	2 585.8	6 370.5	5124.3	3.31	1.61
978.00	4-S073-S	2-ATM	4-R-R	3809.6	1121.2	2 585.3	6 370.5	5123.8	3.31	1.61
978.25	4-PH	4-PH	4-PH	3809.4	1121.1	2 585.1	6 370.5	5123.6	3.31	1.61
978.75	4-M071	4-M071	4-M071	3809.0	1121.1	2 584.8	6 369.5	5122.3	3.31	1.61
979.00	4-SLEEP	4-SLEEP	4-SLEEP	3808.8	1121.1	2 584.6	6 369.5	5122.1	3.31	1.60
987.00	4-PH	4-PH	4-PH	3802.4	1120.9	2 579.2	6 369.5	5116.7	3.33	1.58
987.50	4-EAT	4-EAT	4-EAT	3802.0	1120.8	2 578.9	6 368.6	5115.5	3.33	1.58
988.50	4-M071	4-M071	4-M071	3801.1	1120.8	2 578.2	6 368.6	5114.8	3.33	1.58
989.00	4-S073ST	4-SYS-HK	2-ATM	3800.7	1120.8	2 577.8	6 368.6	5114.5	3.33	1.57
989.50	4-OPEN	4-SYS-HK	2-ATM	3800.3	1120.8	2 577.5	6 368.4	5113.9	3.33	1.57
990.75	4-EREPDP	4-S019SU	2-ATM	3799.3	1120.7	2 576.7	6 367.8	5112.5	3.34	1.57
991.00	4-EREPDP	4-S019	2-ATM	3799.1	1120.7	2 576.5	6 367.8	5112.3	3.34	1.57
992.00	4-EREPDP	4-EREP	2-EREP	3798.2	1120.7	2 575.8	6 367.8	5111.7	3.34	1.57
993.00	4-EAT	2-EAT	4-EAT	3797.4	1120.7	2 575.1	6 367.8	5111.0	3.34	1.56
994.00	4-M071	4-M071	4-M071	3796.6	1120.6	2 574.5	6 367.8	5110.3	3.34	1.56
994.50	4-PH	2-ATM	4-PH	3796.1	1120.6	2 574.1	6 367.8	5110.0	3.34	1.56
995.00	2-ATM	4-PH	4-SYS-HK	3795.7	1120.6	2 573.6	6 367.2	5109.0	3.34	1.56
995.50	2-ATM	4-S019	4-SYS-HK	3795.3	1120.6	2 573.5	6 366.7	5108.1	3.34	1.56
996.25	2-ATM	4-SYS-HK	4-OPEN	3794.7	1120.5	2 573.0	6 366.3	5107.3	3.34	1.55
997.25	4-M092-S	2-ATM	4-M092-O	3793.8	1120.5	2 572.3	6 365.9	5106.2	3.35	1.55
998.25	4-M093-S	2-ATM	4-M093-O	3792.9	1120.4	2 571.6	6 365.9	5105.5	3.34	1.54
999.00	4-EAT	4-EAT	4-EAT	3792.3	1120.4	2 571.1	6 365.9	5105.0	3.34	1.54
1000.00	4-M071	4-M071	4-M071	3791.4	1120.3	2 570.4	6 365.9	5104.3	3.34	1.54
1000.25	4-PLN	4-S019	2-ATM	3791.2	1120.3	2 570.3	6 365.9	5104.2	3.34	1.54
1001.00	4-PLN	4-S019	2-ATM	3790.5	1120.3	2 569.7	6 365.9	5103.6	3.34	1.54
1001.25	4-S019ST	4-S019ST	2-ATM	3790.3	1120.3	2 569.6	6 365.9	5103.5	3.34	1.53
1001.50	4-R-R	4-R-R	2-ATM	3790.1	1120.3	2 569.4	6 365.9	5103.3	3.34	1.53
1002.25	4-PH	4-PH	4-PH	3789.4	1120.2	2 568.9	6 365.9	5102.8	3.35	1.53
1002.75	4-M071	4-M071	4-M071	3788.9	1120.2	2 568.6	6 365.0	5101.5	3.35	1.53
1003.00	4-SLEEP	4-SLEEP	4-SLEEPM	3788.7	1120.2	2 568.4	6 365.0	5101.4	3.35	1.53
1011.00	4-PH	4-PH	4-PH	3781.6	1120.0	2 563.0	6 365.0	5096.0	3.37	1.51
1011.50	4-EAT	4-EAT	4-EAT	3781.2	1119.9	2 562.7	6 364.0	5094.7	3.37	1.51
1012.50	4-M071	4-M071	4-M071	3780.3	1119.9	2 562.0	6 364.0	5094.0	3.38	1.50
1013.00	4-M487-6	4-M487-6	4-M487-6	3779.9	1119.9	2 561.6	6 364.0	5093.7	3.38	1.50
1013.25	4-OFFDTY	4-OFFDTY	4-OFFDTY	3779.6	1119.9	2 561.5	6 364.0	5093.5	3.38	1.50
1017.00	4-EAT	4-EAT	4-EAT	3776.3	1119.8	2 558.9	6 364.0	5091.0	3.39	1.49
1018.00	4-M071	4-M071	4-M071	3775.4	1119.7	2 558.3	6 364.0	5090.3	3.39	1.49
1018.50	4-PH	4-PH	4-PH	3775.0	1119.7	2 557.9	6 364.0	5090.0	3.39	1.49

TABLE 6.0-II.- Continued.

TIME	ASTRO1	ASTRO 2	ASTRO 3	O2 TANK	N2 TANK	MET-EXP H2O TANK	WMC H2O TANK	TOTAL H2O TNKS	O2 PP	N2 PP
1019.00	4-TOO3-2	4-SYS-HK	4-H2OSAM	3774.5	1119.7	2 557.6	6 363.1	5088.7	3.39	1.48
1019.25	4-OFFDTY	4-OFFDTY	4-OFFDTY	3774.3	1119.7	2 557.3	6 363.0	5088.3	3.39	1.48
1023.00	4-EAT	4-EAT	4-EAT	3771.0	1119.6	2 554.8	6 363.0	5085.8	3.40	1.47
1024.00	4-MO71	4-MO71	4-MO71	3770.1	1119.5	2 554.1	6 363.0	5085.1	3.40	1.47
1024.25	4-PLN	4-PLN	4-PLN	3769.8	1119.5	2 553.9	6 363.0	5084.9	3.40	1.47
1025.25	4-R-R	4-R-R	4-R-R	3768.9	1119.5	2 553.3	6 363.0	5084.2	3.40	1.47
1026.25	4-PH	4-PH	4-PH	3768.0	1119.4	2 552.6	6 363.0	5083.6	3.41	1.46
1026.75	4-MO71	4-MO71	4-MO71	3767.6	1119.4	2 552.2	6 362.1	5082.3	3.41	1.46
1027.00	4-SLEEP	4-SLEEP	4-SLEEP	3767.4	1119.4	2 552.1	6 362.1	5082.1	3.41	1.46
1035.00	4-PH	4-PH	4-PH	3760.2	1119.2	2 546.7	6 362.1	5076.7	3.44	1.44
1035.50	4-EAT	4-EAT	4-EAT	3759.8	1119.1	2 546.3	6 361.1	5075.5	3.44	1.44
1036.50	4-MO71	4-MO71	4-MO71	3758.9	1119.1	2 545.7	6 361.1	5074.8	3.44	1.44
1037.00	4-SYS-HK	2-ATM	4-SYS-HK	3758.4	1119.1	2 545.3	6 361.1	5074.4	3.44	1.44
1037.25	2-EREPDP	2-ATM	4-SYS-HK	3758.2	1119.1	2 545.0	6 360.9	5074.1	3.44	1.43
1038.25	2-EREPDP	2-EREP	4-EREP	3757.3	1119.0	2 544.5	6 360.5	5072.9	3.44	1.43
1039.25	2-ATM	4-MO92-S	4-MO92-O	3756.4	1119.0	2 543.8	6 360.5	5072.3	3.45	1.43
1040.25	2-ATM	4-M171-S	4-M171-O	3755.5	1118.9	2 543.1	6 360.5	5071.6	3.44	1.42
1041.00	4-EAT	4-M171	4-M171-O	3754.8	1118.8	2 542.6	6 360.5	5071.1	3.44	1.42
1041.50	4-EAT	4-EAT	4-EAT	3754.3	1118.8	2 542.3	6 360.5	5070.7	3.44	1.42
1042.00	4-MO71	4-EAT	4-EAT	3753.9	1118.8	2 541.9	6 360.5	5070.4	3.44	1.42
1042.50	4-PH	4-MO71	4-MO71	3753.4	1118.7	2 541.6	6 360.5	5070.1	3.44	1.42
1043.00	4-SYS-HK	4-PH	2-ATM	3752.9	1118.7	2 541.3	6 360.1	5069.4	3.44	1.42
1043.50	4-TO2015	4-TO2010	4-PH	3752.5	1118.7	2 540.9	6 359.6	5068.6	3.44	1.42
1044.25	2-ATM	4-SYS-HK	4-SYS-HK	3752.0	1103.7	2 540.4	6 359.1	5067.6	3.44	1.68
1045.00	2-ATM	4-MO92-O	4-MO92-S	3751.8	1103.6	2 539.9	6 358.5	5066.4	3.44	1.67
1046.00	2-ATM	4-M171-O	4-M171-S	3751.5	1103.5	2 539.2	6 358.5	5065.7	3.42	1.67
1047.00	4-EAT	4-EAT	4-EAT	3751.1	1103.4	2 538.6	6 358.5	5065.1	3.41	1.66
1048.00	4-MO71	4-MO71	4-MO71	3750.7	1103.4	2 537.9	6 358.5	5064.4	3.41	1.66
1048.25	4-EAT	4-PLN	4-PLN	3750.6	1103.4	2 537.7	6 358.5	5064.2	3.41	1.66
1049.25	4-EAT	4-R-R	4-R-R	3750.1	1103.3	2 537.1	6 358.5	5063.5	3.40	1.66
1050.25	4-PH	4-PH	4-PH	3749.7	1103.3	2 536.4	6 358.5	5062.9	3.40	1.65
1050.75	4-MO71	4-MO71	4-MO71	3749.4	1103.3	2 536.0	6 357.5	5061.6	3.39	1.65
1051.00	4-SLEEP	4-SLEEP	4-SLEEPH	3749.3	1103.3	2 535.9	6 357.5	5061.4	3.39	1.65
1059.00	4-PH	4-PH	4-PH	3745.0	1103.0	2 530.5	6 357.5	5056.0	3.38	1.63
1059.50	4-EAT	4-EAT	4-EAT	3744.7	1103.0	2 530.1	6 356.6	5054.8	3.38	1.62
1060.50	4-MO71	4-MO71	4-MO71	3744.0	1103.0	2 529.5	6 356.6	5054.1	3.37	1.62
1061.00	2-ATM	4-OPEN	4-SYS-HK	3743.7	1103.0	2 529.1	6 356.6	5053.7	3.37	1.62
1062.00	2-ATM	4-SO19SU	4-SO63SU	3743.1	1102.9	2 528.4	6 356.2	5052.6	3.37	1.62
1062.50	2-ATM	4-SO19	4-SO63-2	3742.8	1102.9	2 528.1	6 356.2	5052.3	3.37	1.61
1063.00	2-ATM	4-SYS-HK	4-OPEN	3742.5	1102.9	2 527.8	6 356.2	5051.9	3.37	1.61
1064.00	2-ATM	4-SYS-HK	4-SO63-2	3741.8	1102.8	2 527.1	6 355.7	5050.8	3.37	1.61
1065.00	2-EAT	4-EAT	4-EAT	3741.2	1102.8	2 526.4	6 355.3	5049.7	3.37	1.61
1066.00	2-MO71	4-MO71	4-MO71	3740.5	1102.8	2 525.7	6 355.3	5049.0	3.37	1.60
1066.50	2-ATM	4-PH	4-PH	3740.1	1102.8	2 525.4	6 355.3	5048.7	3.37	1.60
1067.00	2-ATM	4-OPEN	4-OPEN	3739.8	1102.7	2 525.1	6 354.7	5047.7	3.36	1.60
1067.25	4-PH	4-SO19	4-SO63-2	3739.6	1102.7	2 524.9	6 354.7	5047.6	3.36	1.60
1067.75	4-SYS-HK	2-ATM	4-SO19ST	3739.3	1102.7	2 524.6	6 354.3	5046.9	3.36	1.60
1068.25	4-SYS-HK	2-ATM	4-SYS-HK	3738.9	1102.7	2 524.2	6 354.1	5046.4	3.36	1.60
1069.00	4-MO92-S	2-ATM	4-MO92-O	3738.4	1102.7	2 523.7	6 353.5	5045.2	3.36	1.59
1070.00	4-M171-S	4-SO63-2	4-M171-O	3737.7	1102.5	2 523.0	6 353.5	5044.5	3.35	1.59

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TABLE 6.0 -II.- Continued.

TIME	ASTRO1	ASTRO 2	ASTRO 3	O2 TANK	N2 TANK	MET-EXP H2O TANK	WMC H2O TANK	TOTAL H2O TNKS	O2 PP	N2 PP
1071.00	4-EAT	4-EAT	4-EAT	3736.9	1102.4	2 522.4	6 353.5	5043.8	3.35	1.59
1072.00	4-MO71	4-MO71	4-MO71	3736.1	1102.4	2 521.7	6 353.5	5043.2	3.35	1.58
1072.25	4-PLN	2-ATM	4-PLN	3736.0	1102.4	2 521.5	6 353.5	5043.0	3.35	1.58
1073.25	4-R-R	2-ATM	4-R-R	3735.2	1102.4	2 520.9	6 353.5	5042.3	3.35	1.58
1074.25	4-PH	4-PH	4-PH	3734.4	1102.3	2 520.2	6 353.5	5041.6	3.35	1.58
1074.75	4-MO71	4-MO71	4-MO71	3734.0	1102.3	2 519.8	6 352.5	5040.4	3.35	1.57
1075.00	4-SLEEP	4-SLEEP	4-SLEEP	3733.8	1102.3	2 519.7	6 352.5	5040.2	3.35	1.57
1083.00	4-PH	4-PH	4-PH	3727.5	1102.0	2 514.3	6 352.5	5034.8	3.37	1.55
1083.50	4-EAT	4-EAT	4-EAT	3727.1	1102.0	2 513.9	6 351.6	5033.5	3.37	1.55
1084.50	4-MO71	4-MO71	4-MO71	3726.3	1102.0	2 513.3	6 351.6	5032.9	3.37	1.55
1085.00	2-ATM	4-SYS-HK	4-OPEN	3725.9	1102.0	2 512.9	6 351.6	5032.5	3.37	1.54
1086.00	2-ATM	4-M131BS	4-M131B0	3725.1	1101.9	2 512.2	6 351.1	5031.4	3.37	1.54
1087.25	4-M131BS	2-ATM	4-M131B0	3724.1	1101.9	2 511.4	6 351.1	5030.6	3.37	1.54
1088.00	4-M131B0	2-ATM	4-M131BS	3723.5	1101.9	2 510.9	6 351.1	5030.0	3.37	1.54
1089.00	4-EAT	2-EAT	4-EAT	3722.6	1101.8	2 510.2	6 351.1	5029.4	3.37	1.53
1090.00	4-MO71	2-ATM	4-MO71	3721.8	1101.8	2 509.5	6 351.1	5028.7	3.38	1.53
1090.50	4-PH	2-MO71	4-S063-2	3721.4	1101.8	2 509.2	6 351.1	5028.4	3.38	1.53
1091.00	2-ATM	4-OPEN	4-PH	3721.0	1101.8	2 508.9	6 350.8	5027.7	3.38	1.53
1091.50	2-ATM	4-S073SU	4-SYS-HK	3720.6	1101.8	2 508.5	6 350.5	5027.1	3.38	1.53
1092.00	2-ATM	4-SYS-HK	4-S063-2	3720.1	1101.7	2 508.2	6 350.3	5026.5	3.38	1.52
1092.75	2-ATM	4-S073-7	4-SYS-HK	3719.5	1101.7	2 507.7	6 350.0	5025.7	3.38	1.52
1093.00	2-ATM	4-PH	4-SYS-HK	3719.3	1101.7	2 507.5	6 349.9	5025.4	3.38	1.52
1093.50	2-ATM	4-S073-7	4-SYS-HK	3718.9	1101.7	2 507.2	6 349.3	5024.5	3.38	1.52
1094.00	2-ATM	4-SYS-HK	4-S063-2	3718.5	1101.7	2 506.8	6 349.1	5024.0	3.38	1.52
1094.50	2-ATM	4-SYS-HK	4-OPEN	3718.1	1101.7	2 506.5	6 348.9	5023.4	3.38	1.52
1095.00	4-EAT	4-EAT	4-EAT	3717.6	1101.6	2 506.2	6 348.7	5022.8	3.38	1.52
1096.00	4-MO71	4-MO71	4-MO71	3716.8	1101.6	2 505.5	6 348.7	5022.2	3.38	1.51
1096.25	4-PLN	4-PLN	2-ATM	3716.6	1101.6	2 505.3	6 348.7	5022.0	3.39	1.51
1097.25	4-R-R	4-R-R	2-ATM	3715.7	1101.6	2 504.7	6 348.7	5021.3	3.39	1.51
1098.25	4-PH	4-PH	4-PH	3714.9	1101.5	2 504.0	6 348.7	5020.6	3.39	1.51
1098.75	4-MO71	4-MO71	4-MO71	3714.5	1101.5	2 503.6	6 347.7	5019.4	3.39	1.50
1099.00	4-SLEEP	4-SLEEP	4-SLEEPH	3714.2	1101.5	2 503.5	6 347.7	5019.2	3.39	1.50
1107.00	4-PH	4-PH	4-PH	3707.4	1101.2	2 498.1	6 347.7	5013.8	3.41	1.48
1107.50	4-EAT	4-EAT	4-EAT	3707.0	1101.2	2 497.7	6 346.8	5012.5	3.41	1.48
1108.50	4-MO71	4-MO71	4-MO71	3706.1	1101.2	2 497.1	6 346.8	5011.9	3.41	1.48
1109.00	4-S073-7	2-ATM	4-OPEN	3705.7	1101.2	2 496.7	6 346.8	5011.5	3.42	1.48
1109.50	4-SYS-HK	2-ATM	4-S063-2	3705.3	1101.2	2 496.4	6 346.8	5011.2	3.42	1.47
1110.00	4-SYS-HK	2-ATM	4-SYS-HK	3704.9	1101.1	2 496.0	6 346.6	5010.6	3.42	1.47
1111.00	4-SYS-HK	2-ATM	4-S063-2	3704.0	1101.1	2 495.4	6 345.7	5009.1	3.42	1.47
1111.25	2-ATM	4-M092-S	4-M092-0	3703.8	1101.1	2 495.2	6 345.6	5008.8	3.42	1.47
1112.25	2-ATM	4-M093-S	4-M093-0	3702.9	1101.0	2 494.5	6 345.6	5008.1	3.41	1.46
1113.00	4-EAT	4-EAT	2-EAT	3702.2	1100.9	2 494.0	6 345.6	5007.6	3.41	1.46
1114.00	4-MO71	4-MO71	2-MO71	3701.3	1100.9	2 493.3	6 345.6	5006.9	3.41	1.46
1114.50	4-T0202S	4-T02020	2-ATM	3700.9	1100.9	2 493.0	6 345.6	5006.6	3.41	1.46
1115.25	4-PH	4-PH	4-S063-2	3691.3	1085.9	2 492.5	6 345.6	5006.1	3.55	1.72
1115.75	2-ATM	4-SYS-HK	4-PH	3691.3	1085.8	2 492.2	6 345.0	5005.1	3.54	1.72
1116.25	2-ATM	4-SYS-HK	4-OPEN	3691.3	1085.8	2 491.8	6 344.4	5004.2	3.54	1.71
1117.50	2-ATM	4-M092-0	4-M092-S	3691.3	1085.8	2 491.0	6 343.9	5002.8	3.52	1.71
1118.50	2-ATM	4-M093-0	4-M093-S	3691.3	1085.7	2 490.3	6 343.9	5002.2	3.51	1.71
1119.00	4-EAT	4-EAT	4-EAT	3691.3	1085.6	2 490.0	6 343.9	5001.8	3.51	1.71

TABLE 6.0 -II.- Continued.

TIME	ASTRO1	ASTRO 2	ASTRO 3	O2 TANK	N2 TANK	MET-EXP H2O TANK	WMC H2O TANK	TOTAL H2O TNKS	O2 PP	N2 PP
1120.00	4-M071	4-M071	4-M071	3691.3	1085.6	2 489.3	6 343.9	5001.2	3.49	1.70
1120.25	2-ATM	4-PLN	4-PLN	3691.3	1085.6	2 489.1	6 343.9	5001.0	3.49	1.70
1121.25	2-ATM	4-R-R	4-R-R	3691.3	1085.6	2 488.5	6 343.9	5000.3	3.48	1.70
1122.25	4-PH	4-PH	4-PH	3691.2	1085.5	2 487.8	6 343.9	4999.6	3.47	1.69
1122.75	4-M071	4-M071	4-M071	3691.1	1085.5	2 487.4	6 342.9	4998.4	3.47	1.69
1123.00	4-SLEEP	4-SLEEP	4-SLEEP	3691.1	1085.5	2 487.3	6 342.9	4998.2	3.46	1.69
1131.00	4-PH	4-PH	4-PH	3688.8	1085.2	2 481.9	6 342.9	4992.8	3.41	1.67
1131.50	4-EAT	4-EAT	4-EAT	3688.6	1085.2	2 481.5	6 342.0	4991.5	3.41	1.66
1132.50	4-M071	4-M071	4-M071	3688.2	1085.2	2 480.9	6 342.0	4990.9	3.40	1.66
1133.00	2-ATM	4-OPEN	4-SYS-HK	3688.0	1085.2	2 480.5	6 342.0	4990.5	3.40	1.66
1134.00	2-ATM	4-S073-7	4-SYS-HK	3687.6	1085.1	2 479.8	6 341.6	4989.4	3.40	1.66
1134.50	2-ATM	4-SYS-HK	4-S063-2	3687.3	1085.1	2 479.5	6 341.3	4988.8	3.39	1.66
1135.00	2-ATM	4-SYS-HK	4-OPEN	3687.1	1085.1	2 479.2	6 341.1	4988.3	3.39	1.65
1135.75	2-ATM	4-M131AS	4-M131AO	3686.7	1085.1	2 478.7	6 340.8	4987.4	3.39	1.65
1136.25	2-ATM	4-M131AO	4-M131AS	3686.5	1085.1	2 478.4	6 340.8	4987.1	3.39	1.65
1137.00	2-EAT	4-EAT	4-EAT	3686.1	1085.0	2 477.8	6 340.8	4986.6	3.38	1.65
1138.00	2-ATM	4-M071	4-M071	3685.6	1085.0	2 477.1	6 340.8	4985.9	3.38	1.64
1138.50	2-ATM	4-PH	4-OPEN	3685.3	1085.0	2 476.8	6 340.8	4985.6	3.38	1.64
1139.00	4-M071	2-ATM	4-S063-2	3685.0	1085.0	2 476.5	6 340.5	4984.9	3.38	1.64
1139.50	4-PH	2-ATM	4-SYS-HK	3684.8	1085.0	2 476.1	6 340.5	4984.6	3.38	1.64
1140.00	4-S073-7	2-ATM	4-PH	3684.5	1084.9	2 475.8	6 339.9	4983.7	3.38	1.64
1140.50	4-SYS-HK	2-ATM	4-S063-2	3684.2	1084.9	2 475.5	6 339.6	4983.1	3.37	1.64
1141.25	4-M092-S	2-ATM	4-M092-0	3683.8	1084.9	2 475.0	6 339.3	4982.2	3.37	1.63
1142.25	4-M093-S	2-ATM	4-M093-0	3683.1	1084.8	2 474.3	6 339.3	4981.6	3.36	1.63
1143.00	4-EAT	4-EAT	4-EAT	3682.6	1084.7	2 473.8	6 339.3	4981.1	3.36	1.62
1144.00	4-M071	4-M071	4-M071	3682.0	1084.7	2 473.1	6 339.3	4980.4	3.36	1.62
1144.25	4-S073ST	2-ATM	4-PLN	3681.8	1084.7	2 472.9	6 339.3	4980.2	3.36	1.62
1144.75	4-S149SU	2-ATM	4-S063-2	3681.5	1084.7	2 472.6	6 339.3	4979.9	3.35	1.62
1145.25	4-R-R	2-ATM	4-R-R	3681.2	1084.7	2 472.2	6 339.3	4979.5	3.35	1.62
1146.25	4-PH	4-PH	4-PH	3680.5	1084.6	2 471.6	6 339.3	4978.9	3.35	1.61
1146.75	4-M071	4-M071	4-M071	3680.1	1084.6	2 471.2	6 338.4	4977.6	3.35	1.61
1147.00	4-SLEEP	4-SLEEP	4-SLEEPM	3680.0	1084.6	2 471.1	6 338.4	4977.4	3.35	1.61
1155.00	4-PH	4-PH	4-PH	3674.2	1084.3	2 465.7	6 338.4	4972.0	3.36	1.59
1155.50	4-EAT	4-EAT	4-EAT	3673.9	1084.3	2 465.3	6 337.4	4970.7	3.36	1.59
1156.50	4-M071	4-M071	4-M071	3673.1	1084.3	2 464.7	6 337.4	4970.1	3.36	1.58
1157.00	4-OFFDTY	4-OFFDTY	4-OFFDTY	3672.7	1084.3	2 464.3	6 337.4	4969.7	3.36	1.58
1161.00	4-EAT	4-EAT	4-EAT	3669.7	1084.1	2 461.6	6 337.4	4967.0	3.36	1.57
1162.00	4-M071	4-M071	4-M071	3668.9	1084.1	2 460.9	6 337.4	4966.4	3.36	1.57
1162.50	4-PH	4-PH	4-PH	3668.5	1084.1	2 460.6	6 337.4	4966.0	3.36	1.57
1163.00	4-OFFDTY	4-OFFDTY	4-OFFDTY	3668.1	1084.1	2 460.3	6 336.5	4964.8	3.36	1.56
1167.00	4-EAT	4-EAT	4-EAT	3664.6	1083.9	2 457.6	6 336.5	4962.1	3.36	1.55
1168.00	4-M071	4-M071	4-M071	3664.1	1083.9	2 456.9	6 336.5	4961.4	3.36	1.55
1168.25	4-PLN	4-PLN	4-PLN	3663.9	1083.9	2 456.7	6 336.5	4961.2	3.36	1.55
1169.25	4-R-R	4-R-R	4-R-R	3663.1	1083.9	2 456.0	6 336.5	4960.5	3.37	1.55
1170.25	4-PH	4-PH	4-PH	3662.3	1083.8	2 455.4	6 336.5	4959.9	3.37	1.54
1170.75	4-M071	4-M071	4-M071	3661.9	1083.8	2 455.0	6 335.6	4958.6	3.37	1.54
1171.00	4-SLEEP	4-SLEEP	4-SLEEP	3661.7	1083.8	2 454.9	6 335.6	4958.4	3.37	1.54
1179.00	4-PH	4-PH	4-PH	3655.0	1083.6	2 449.5	6 335.6	4953.0	3.39	1.52
1179.50	4-EAT	4-EAT	4-EAT	3654.6	1083.5	2 449.1	6 334.6	4951.7	3.39	1.52
1180.50	4-M071	4-M071	4-M071	3653.8	1083.5	2 448.5	6 334.6	4951.1	3.39	1.51

TABLE 6.0 -II.- Continued.

TIME	ASTRO1	ASTRO 2	ASTRO 3	O2 TANK	N2 TANK	MET-EXP H2O TANK	WMC H2O TANK	TOTAL H2O TNKS	O2 PP	N2 PP
1181.00	4-SO63-3	4-SYS-HK	2-ATM	3653.4	1083.5	2 448.1	6 334.6	4950.7	3.39	1.51
1181.50	4-SYS-HK	4-SYS-HK	2-ATM	3653.0	1083.5	2 447.8	6 334.4	4950.2	3.39	1.51
1182.00	4-TO2010	4-TO201S	2-ATM	3652.5	1083.4	2 447.4	6 334.0	4949.4	3.39	1.51
1183.00	2-ATM	4-M092-S	4-M092-0	3652.1	1063.4	2 446.8	6 334.0	4948.7	3.39	1.85
1184.00	2-ATM	4-M171-S	4-M171-0	3652.1	1063.3	2 446.1	6 334.0	4948.0	3.37	1.85
1185.00	2-EAT	4-EAT	4-EAT	3652.1	1063.2	2 445.4	6 334.0	4947.4	3.36	1.85
1186.00	2-M071	4-M071	4-M071	3652.1	1063.1	2 444.7	6 334.0	4946.7	3.35	1.85
1186.50	2-ATM	4-PH	4-PH	3652.1	1063.1	2 444.4	6 334.0	4946.4	3.34	1.84
1187.00	4-PH	2-ATM	4-SO63-3	3652.1	1063.1	2 444.1	6 333.3	4945.4	3.34	1.84
1187.50	4-SYS-HK	2-ATM	4-SYS-HK	3652.1	1063.1	2 443.7	6 333.0	4944.7	3.33	1.84
1189.00	2-ATM	4-M092-0	4-M092-S	3651.9	1063.0	2 442.7	6 331.7	4942.4	3.32	1.84
1190.00	2-ATM	4-M171-0	4-M171-S	3651.7	1062.9	2 442.0	6 331.7	4941.7	3.30	1.83
1191.00	4-EAT	4-EAT	4-EAT	3651.4	1062.8	2 441.4	6 331.7	4941.1	3.29	1.82
1192.00	4-M071	4-M071	4-M071	3651.1	1062.8	2 440.7	6 331.7	4940.4	3.28	1.82
1192.25	4-PLN	4-PLN	2-ATM	3651.0	1062.8	2 440.5	6 331.7	4940.2	3.28	1.82
1193.25	4-R-R	4-R-R	2-ATM	3650.7	1062.7	2 439.8	6 331.7	4939.5	3.28	1.82
1194.25	4-PH	4-PH	4-PH	3650.3	1062.7	2 439.2	6 331.7	4938.9	3.27	1.81
1194.75	4-M071	4-M071	4-M071	3650.1	1062.7	2 438.8	6 330.8	4937.6	3.27	1.81
1195.00	4-SLEEP	4-SLEEP	4-SLEEP	3650.0	1062.7	2 438.7	6 330.8	4937.4	3.27	1.81
1203.00	4-PH	4-PH	4-PH	3646.3	1062.4	2 433.3	6 330.8	4932.0	3.24	1.78
1203.50	4-M071	4-M071	4-M071	3646.0	1062.4	2 432.9	6 329.8	4930.7	3.24	1.78
1204.50	2-ATM	4-SYS-HK	4-OPEN	3645.5	1062.4	2 432.3	6 329.8	4930.1	3.24	1.78
1206.00	2-ATM	4-OPEN	4-SO63-3	3644.6	1062.3	2 431.2	6 329.2	4928.4	3.23	1.77
1206.50	2-ATM	4-OPEN	4-SYS-HK	3644.3	1062.3	2 430.9	6 329.2	4928.1	3.23	1.77
1207.50	2-ATM	4-OPEN	4-SO63-3	3643.7	1062.3	2 430.2	6 328.7	4926.9	3.23	1.77
1208.00	2-ATM	4-OPEN	4-SYS-HK	3643.4	1062.2	2 429.9	6 328.7	4926.6	3.23	1.77
1209.00	4-EAT	4-EAT	2-EAT	3642.8	1062.2	2 429.2	6 328.3	4925.5	3.23	1.76
1210.00	4-M071	4-M071	2-ATM	3642.2	1062.2	2 428.5	6 328.3	4924.8	3.23	1.76
1210.50	4-SO63-3	4-PH	2-M071	3641.9	1062.2	2 428.2	6 328.3	4924.5	3.23	1.76
1211.00	4-PH	2-SYS-HK	2-ATM	3641.5	1062.1	2 427.9	6 328.0	4923.8	3.23	1.76
1211.50	4-OPEN	2-SYS-HK	4-PH	3641.2	1062.1	2 427.5	6 327.4	4922.9	3.23	1.75
1212.00	4-SO63-3	2-SYS-HK	4-PH	3640.9	1062.1	2 427.2	6 326.9	4922.1	3.23	1.75
1212.50	4-M092-S	2-ATM	4-M092-0	3640.6	1062.1	2 426.9	6 326.4	4921.2	3.22	1.75
1214.00	4-M171-S	2-ATM	4-M171-0	3639.5	1061.9	2 425.8	6 324.4	4920.2	3.21	1.74
1215.00	4-EAT	4-EAT	4-EAT	3638.8	1061.8	2 425.2	6 324.4	4919.5	3.21	1.74
1216.00	4-M071	4-M071	4-M071	3638.1	1061.8	2 424.5	6 326.4	4918.8	3.21	1.74
1216.25	2-ATM	4-PLN	4-PLN	3637.9	1061.8	2 424.3	6 326.4	4918.7	3.21	1.73
1217.25	2-ATM	4-R-R	4-R-R	3637.1	1061.8	2 423.6	6 326.4	4918.0	3.21	1.73
1218.25	4-PH	4-PH	4-PH	3636.4	1061.7	2 423.0	6 326.4	4917.3	3.21	1.73
1218.75	4-M071	4-M071	4-M071	3636.0	1061.7	2 422.6	6 325.4	4916.1	3.21	1.73
1219.00	4-SLEEP	4-SLEEP	4-SLEEP	3635.8	1061.7	2 422.5	6 325.4	4915.9	3.21	1.73
1227.00	4-PH	4-PH	4-PH	3629.7	1061.4	2 417.1	6 325.4	4910.5	3.23	1.70
1227.50	4-EAT	4-EAT	4-EAT	3629.3	1061.4	2 416.7	6 324.5	4909.2	3.23	1.70
1228.50	4-M071	4-M071	4-M071	3628.5	1061.4	2 416.1	6 324.5	4908.5	3.23	1.70
1229.00	2-ATM	2-OPEN	4-SO63-3	3628.1	1061.4	2 415.7	6 324.5	4908.2	3.23	1.69
1230.00	2-ATM	2-OPEN	4-SYS-HK	3627.4	1061.3	2 415.0	6 324.5	4907.5	3.23	1.69
1231.00	2-ATM	2-OPEN	4-SO63-3	3626.6	1061.3	2 414.4	6 324.0	4906.4	3.23	1.69
1231.50	2-ATM	4-OPEN	4-SYS-HK	3626.2	1061.3	2 414.0	6 324.0	4906.1	3.23	1.69
1232.50	2-ATM	4-OPEN	4-SO63-3	3625.4	1061.2	2 413.4	6 323.6	4904.9	3.23	1.68
1233.00	2-EAT	4-EAT	4-EAT	3625.0	1061.2	2 413.0	6 323.6	4904.6	3.23	1.68

TABLE 6.0-II.- Continued.

TIME	ASTRO1	ASTRO 2	ASTRO 3	O2 TANK	N2 TANK	MET-EXP H2O TANK	WMC H2O TANK	TOTAL H2O TNKS	O2 PP	N2 PP
1234.00	2-M071	4-M071	4-M071	3624.2	1061.2	2 412.3	6 323.6	4903.9	3.24	1.68
1234.50	2-ATM	4-PH	4-PH	3623.7	1061.2	2 412.0	6 323.6	4903.6	3.24	1.68
1235.00	2-ATM	4-SYS-HK	4-OPEN	3623.3	1061.2	2 411.7	6 323.0	4902.6	3.24	1.67
1235.50	4-PH	4-SYS-HK	4-S063-3	3622.9	1061.1	2 411.3	6 322.8	4902.1	3.24	1.67
1236.00	4-OPEN	2-ATM	4-OPEN	3622.5	1061.1	2 411.0	6 322.2	4901.2	3.24	1.67
1237.00	4-OPEN	2-ATM	4-S063-3	3621.7	1061.1	2 410.3	6 322.2	4900.5	3.24	1.67
1237.50	4-SYS-HK	2-ATM	4-OPEN	3621.3	1061.1	2 410.0	6 322.2	4900.2	3.24	1.67
1238.50	4-SYS-HK	2-ATM	4-S063-3	3620.5	1061.0	2 409.3	6 321.8	4899.1	3.24	1.66
1239.00	4-EAT	4-EAT	4-EAT	3620.1	1061.0	2 409.0	6 321.6	4898.6	3.24	1.66
1240.00	4-M071	4-M071	4-M071	3619.2	1061.0	2 408.3	6 321.6	4897.8	3.25	1.66
1240.25	4-PLN	2-ATM	4-PLN	3619.0	1061.0	2 408.1	6 321.6	4897.7	3.25	1.66
1241.25	4-R-R	2-ATM	4-R-R	3618.2	1061.0	2 407.4	6 321.6	4897.0	3.25	1.66
1242.25	4-PH	4-PH	4-PH	3617.4	1060.9	2 406.8	6 321.6	4896.3	3.25	1.65
1242.75	4-M071	4-M071	4-M071	3616.9	1060.9	2 406.4	6 320.6	4895.1	3.25	1.65
1243.00	4-SLEEP	4-SLEEP	4-SLEEP	3616.7	1060.9	2 406.3	6 320.6	4894.9	3.25	1.65
1251.00	4-PH	4-PH	4-PH	3610.0	1060.6	2 400.9	6 320.6	4889.5	3.27	1.63
1251.50	4-EAT	4-EAT	4-EAT	3609.6	1060.6	2 400.5	6 319.7	4888.2	3.27	1.62
1252.50	4-M071	4-M071	4-M071	3608.7	1060.6	2 399.9	6 319.7	4887.5	3.28	1.62
1253.00	4-OPEN	2-ATM	4-SYS-HK	3608.3	1060.6	2 399.5	6 319.7	4887.2	3.28	1.62
1254.00	4-OPEN	2-ATM	4-S063-3	3607.5	1060.5	2 398.8	6 319.2	4886.1	3.28	1.62
1254.50	4-OPEN	2-ATM	4-SYS-HK	3607.0	1060.5	2 398.5	6 319.2	4885.7	3.28	1.61
1255.50	4-SYS-HK	2-ATM	4-S063ST	3606.2	1060.5	2 397.8	6 318.8	4884.6	3.28	1.61
1256.25	4-SYS-HK	2-ATM	4-OPEN	3605.5	1060.5	2 397.3	6 318.5	4883.8	3.28	1.61
1257.00	4-EAT	2-EAT	4-EAT	3604.9	1060.4	2 396.8	6 318.1	4882.9	3.29	1.61
1258.00	4-M071	2-ATM	4-M071	3604.0	1060.4	2 396.1	6 318.1	4882.3	3.29	1.60
1258.50	4-PH	4-M071	4-PH	3603.6	1060.4	2 395.8	6 318.1	4881.9	3.29	1.60
1259.00	4-T003-2	4-PH	2-ATM	3603.2	1060.4	2 395.5	6 317.5	4881.0	3.29	1.60
1260.00	4-T02020	4-T02025	2-ATM	3602.3	1060.3	2 394.8	6 316.9	4879.7	3.29	1.60
1261.00	4-OPEN	4-SYS-HK	2-ATM	3589.7	1040.3	2 394.1	6 316.9	4879.0	3.47	1.94
1263.00	4-EAT	4-EAT	4-EAT	3589.7	1040.2	2 392.8	6 316.0	4876.8	3.45	1.94
1264.00	4-M071	4-M071	4-M071	3589.7	1040.2	2 392.1	6 316.0	4876.1	3.44	1.93
1264.25	4-PLN	4-PLN	2-ATM	3589.7	1040.2	2 391.9	6 316.0	4875.9	3.43	1.93
1265.25	4-R-R	4-R-R	2-ATM	3589.7	1040.1	2 391.2	6 316.0	4875.2	3.42	1.93
1266.25	4-PH	4-PH	4-PH	3589.7	1040.1	2 390.6	6 316.0	4874.6	3.41	1.92
1266.75	4-M071	4-M071	4-M071	3589.7	1040.1	2 390.2	6 315.1	4873.3	3.40	1.92
1267.00	4-SLEEP	4-SLEEP	4-SLEEP	3589.7	1040.1	2 390.1	6 315.1	4873.1	3.40	1.92
1275.00	4-PH	4-PH	4-PH	3589.7	1039.8	2 384.7	6 315.1	4867.7	3.32	1.89
1275.50	4-EAT	4-EAT	4-EAT	3589.7	1039.8	2 384.3	6 314.1	4866.5	3.31	1.89
1276.50	4-M071	4-M071	4-M071	3589.7	1039.8	2 383.7	6 314.1	4865.8	3.30	1.88
1277.00	3-EVAPRP	4-SYS-HK	3-EVAPRP	3589.7	1039.8	2 383.3	6 314.1	4865.4	3.29	1.88
1278.00	3-HDWPRP	4-SYS-HK	3-HDWPRP	3589.6	1039.7	2 382.6	6 313.7	4864.3	3.28	1.88
1278.50	3-DONSUT	4-SYS-HK	3-DONSUT	3589.5	1039.7	2 382.3	6 313.5	4863.8	3.28	1.88
1278.75	3-SUTACT	4-SYS-HK	3-SUTACT	3589.4	1039.7	2 382.1	6 313.4	4863.5	3.27	1.88
1279.33	3-EGRESS	2-SYS-HK	3-EGRESS	3579.0	1039.7	2 381.7	6 313.1	4862.8	3.42	1.87
1279.66	3-EVA	2-EVAMON	3-EVA	3573.0	1039.7	2 381.5	6 312.9	4862.5	3.42	1.87
1282.25	3-INGRES	2-EVAMON	3-INGRES	3526.3	1039.6	2 379.8	6 312.9	4860.7	3.42	1.87
1282.50	3-DESUIT	2-EVAMON	3-DESUIT	3521.8	1039.6	2 379.6	6 312.9	4860.5	3.35	1.84
1282.75	2-PSTEVA	4-OPEN	2-PSTEVA	3521.8	1039.6	2 379.4	6 312.9	4860.4	3.35	1.84
1283.50	2-LCG	4-OPEN	2-PSTEVA	3521.7	1039.5	2 378.9	6 312.9	4859.9	3.34	1.83
1283.75	2-PCU	4-OPEN	2-PSTEVA	3521.7	1039.5	2 378.8	6 312.9	4859.7	3.33	1.83

TABLE 6.0 -Ⅱ.- Continued.

TIME	ASTRO1	ASTRO 2	ASTRO 3	O2 TANK	N2 TANK	MET-EXP H2O TANK	WMC H2O TANK	TOTAL H2O TNKS	O2 PP	N2 PP
1284.00	2-LSU	4-OPEN	2-PSTEVA	3521.7	1039.5	2 378.6	6 312.9	4859.5	3.33	1.83
1284.50	4-EAT	4-EAT	4-EAT	3521.6	1039.3	2 343.5	6 312.9	4824.4	3.32	1.83
1285.50	4-M071	4-M071	4-M071	3521.4	1039.3	2 342.8	6 312.9	4823.7	3.32	1.83
1286.00	4-PH	4-PH	4-PH	3521.3	1039.3	2 342.4	6 312.9	4823.4	3.31	1.83
1286.50	4-OPEN	4-OPEN	2-SYS-HK	3521.2	1039.3	2 342.1	6 312.0	4822.1	3.31	1.82
1287.25	4-M172	4-OPEN	2-SYS-HK	3521.0	1039.2	2 341.6	6 311.7	4821.3	3.30	1.82
1287.50	4-M074	4-OPEN	2-SYS-HK	3521.0	1039.2	2 341.4	6 311.6	4821.0	3.30	1.82
1288.00	4-EAT	4-EAT	4-EAT	3520.8	1039.2	2 341.1	6 311.3	4820.4	3.30	1.82
1289.00	4-M071	4-M071	4-M071	3520.6	1039.2	2 340.4	6 311.3	4819.8	3.29	1.81
1289.25	4-PLN	4-PLN	4-PLN	3520.5	1039.2	2 340.2	6 311.3	4819.6	3.29	1.81
1290.25	4-PH	4-PH	4-PH	3520.1	1039.1	2 339.6	6 311.3	4818.9	3.28	1.81
1290.75	4-M071	4-M071	4-M071	3520.0	1039.1	2 339.2	6 310.4	4817.6	3.28	1.81
1291.00	4-SLEEP	4-SLEEP	4-SLEEP	3519.9	1039.1	2 339.1	6 310.4	4817.5	3.28	1.81
1299.00	4-PH	4-PH	4-PH	3516.3	1038.9	2 333.7	6 310.4	4812.1	3.25	1.78
1299.50	4-EAT	4-EAT	4-EAT	3516.0	1038.8	2 333.3	6 309.5	4810.8	3.25	1.78
1300.50	4-M071	4-M071	4-M071	3515.5	1038.8	2 332.7	6 309.5	4810.1	3.25	1.77
1301.00	4-OFFDTY	4-OFFDTY	4-OFFDTY	3515.2	1038.8	2 332.3	6 309.5	4809.8	3.25	1.77
1305.00	4-EAT	4-EAT	4-EAT	3512.9	1038.6	2 329.6	6 309.5	4807.1	3.23	1.76
1306.00	4-M071	4-M071	4-M071	3512.3	1038.6	2 328.9	6 309.5	4806.4	3.23	1.76
1306.50	4-PH	4-PH	4-PH	3511.9	1038.6	2 328.6	6 309.5	4806.1	3.23	1.75
1307.00	4-ExPPRP	4-S149ST	4-INVTRY	3511.6	1038.6	2 328.3	6 308.5	4804.8	3.23	1.75
1307.50	4-ExPPRP	4-S149SU	4-INVTRY	3511.3	1038.6	2 327.9	6 308.5	4804.5	3.23	1.75
1308.00	4-EXPDOF	4-EXPDOF	4-INVTRY	3511.0	1038.5	2 327.6	6 308.5	4804.1	3.23	1.75
1310.00	4-SYS-HK	4-DEACT2	4-DEACT2	3509.6	1038.5	2 326.2	6 308.5	4802.8	3.23	1.74
1311.00	4-EAT	4-EAT	4-EAT	3509.0	1038.4	2 325.6	6 308.1	4801.7	3.22	1.74
1312.00	4-M071	4-M071	4-M071	3508.3	1038.4	2 324.9	6 308.1	4801.0	3.22	1.74
1312.25	4-PLN	4-PLN	4-PLN	3508.1	1038.4	2 324.7	6 308.1	4800.8	3.22	1.74
1313.25	4-R-R	4-R-R	4-R-R	3507.4	1038.4	2 324.0	6 308.1	4800.1	3.22	1.73
1314.25	4-PH	4-PH	4-PH	3506.7	1038.3	2 323.4	6 308.1	4799.5	3.22	1.73
1314.75	4-M071	4-M071	4-M071	3506.3	1038.3	2 323.0	6 307.2	4798.2	3.22	1.73
1315.00	4-SLEEP	4-SLEEP	4-SLEEP	3506.1	1038.3	2 322.9	6 307.2	4798.0	3.22	1.73
1323.00	4-PH	4-PH	4-PH	3500.2	1038.1	2 317.5	6 307.2	4792.6	3.23	1.70
1323.50	4-EAT	4-EAT	4-EAT	3499.8	1038.0	2 317.1	6 306.2	4791.4	3.23	1.70
1324.50	4-M071	4-M071	4-M071	3499.0	1038.0	2 316.5	6 306.2	4790.7	3.24	1.70
1325.00	4-SYS-HK	4-CMPOTW	4-DEWMS	3498.7	1038.0	2 316.1	6 306.2	4790.3	3.24	1.69
1325.25	4-SYSCLR	4-WSBLOW	4-DEH2O	3498.5	1037.9	2 297.9	6 306.1	4772.1	3.24	1.69
1325.50	4-SYSCLR	4-REFRIG	4-REFRIG	3498.3	1037.8	2 275.4	6 306.1	4749.6	3.24	1.69
1325.75	4-SYSCLR	4-DETCS	4-DETCS	3498.1	1037.8	2 275.4	6 306.1	4749.6	3.24	1.69
1326.00	4-SYSCLR	4-DECOM	4-DECOM	3497.9	1037.8	2 275.4	6 306.1	4749.6	3.24	1.69
1326.20	4-SYSCLR	4-LIGHTS	4-LIGHTS	3497.7	1037.8	2 275.4	6 306.1	4749.6	3.24	1.69
1326.40	4-EPS	4-EPS	4-EPS	3497.6	1037.7	2 275.4	6 306.1	4749.6	3.24	1.69
1326.60	4-PLUG	4-PLUG	4-PLUG	3497.4	1037.7	2 275.4	6 306.1	4749.6	3.24	1.69
1326.75	1-EAT	1-EAT	1-EAT	3497.3	1037.7	2 275.4	6 306.1	4749.6	3.24	1.69
1327.75	1-M071	1-M071	1-M071	3496.5	1037.7	2 275.4	6 306.1	4749.6	3.24	1.69
1328.00	2-DEACT1	3-DELOCK	3-DELOCK	3496.3	1037.7	2 275.4	6 306.1	4749.6	3.24	1.68
1328.10	2-DECOND	2-DECOND	2-DECOND	3496.2	1037.7	2 275.4	6 306.1	4749.6	3.24	1.68
1328.20	2-DEMOLS	2-DEMOLS	2-DEMOLS	3496.2	1037.7	2 275.4	6 306.1	4749.6	3.24	1.68
1328.30	2-O2/N2	2-O2/N2	2-O2/N2	3496.1	1037.7	2 275.4	6 306.1	4749.6	3.24	1.68
1328.40	2-C/W	2-C/W	2-C/W	3496.1	1037.7	2 275.4	6 306.1	4749.6	3.24	1.68
1328.50	2-FANS	2-ATM/AM	2-PANEL	3496.1	1037.7	2 275.4	6 306.1	4749.6	3.24	1.68

TABLE 6.0 - II. - Concluded.

TIME	ASTRO1	ASTRO 2	ASTRO 3	O2 TANK	N2 TANK	MET-EXP H2O TANK	WMC H2O TANK	TOTAL H2O TNKS	O2 PP	N2 PP
1328.60	2-EPS	2-ATM/AM	2-EPS	3496.1	1037.7	2 275.4	6 306.1	4749.6	3.23	1.68
1328.70	2-DECOM	2-LIGHTS	2-LIGHTS	3496.1	1037.7	2 275.4	6 306.1	4749.6	3.23	1.68
1328.80	2-PLUG	2-DISUMB	2-CHECK	3496.1	1037.7	2 275.4	6 306.1	4749.6	3.23	1.68
1328.90	1-MATCH1	1-DEACT1	1-CHECK	3496.1	1037.7	2 275.4	6 306.1	4749.6	3.23	1.68
1329.00	1-RENTRY	1-RENTRY	1-RENTRY	3496.1	1037.7	2 275.4	6 306.1	4749.6	3.23	1.68
1331.50	1-EAT	1-EAT	1-EAT	3496.1	1037.7	2 275.4	6 306.1	4749.6	3.22	1.68
1332.50	1-M071	1-M071	1-M071	3496.1	1037.7	2 275.4	6 306.1	4749.6	3.22	1.67
1332.75	1-RENTRY	1-RENTRY	1-RENTRY	3496.1	1037.7	2 275.4	6 306.1	4749.6	3.22	1.67
1334.75	1-SLEEP	1-SLEEP	1-SLEEP	3496.1	1037.7	2 275.4	6 306.1	4749.6	3.21	1.67
1342.75	1-EAT	1-EAT	1-EAT	3496.1	1037.7	2 275.4	6 306.1	4749.6	3.18	1.65
1343.75	1-CSMACT	1-DEACT1	1-DEACT2	3496.1	1037.7	2 275.4	6 306.1	4749.6	3.17	1.65
1345.75	1-P52IMU	1-P52IMU	1-P52IMU	3496.1	1037.7	2 275.4	6 306.1	4749.6	3.17	1.65
1347.75	1-UNDOCK	1-UNDOCK	1-UNDOCK	3496.1	1037.7	2 275.4	6 306.1	4749.6	3.16	1.64
1350.25	1-SEP	1-SEP	1-SEP	3496.1	1037.7	2 275.4	6 306.1	4749.6	3.15	1.64

TABLE 6.0-III.- ECS MASS PROPERTIES SUMMARY - SKYLAB 4

TIME	ASTRO1	ASTRO 2	ASTRO 3	O2 TANK	N2 TANK	MET-EXP H2O TANK	WMC H2O TANK	TOTAL H2O TNKS	O2 PP	N2 PP
-23.50	1-DUMMY	1-DUMMY	1-DUMMY	3494.8	1037.2	2 275.4	6 306.1	4749.6	1.40	.73
-18.50	1-DUMMY	1-DUMMY	1-DUMMY	3494.8	1037.2	2 275.4	6 306.1	4749.6	1.39	.73
-7.20	1-DUMMY	1-DUMMY	1-DUMMY	3357.9	995.2	2 275.4	6 306.1	4749.6	3.50	1.46
5.00	1-DUMMY	1-DUMMY	1-DUMMY	3357.9	995.2	2 275.4	6 306.1	4749.6	3.44	1.44
6.50	1-DOCK	1-DOCK	1-DOCK	3352.0	993.4	2 275.4	6 306.1	4749.6	3.53	1.47
7.50	1-EAT	1-EAT	1-EAT	3352.0	993.4	2 275.4	6 306.1	4749.6	3.52	1.46
8.50	1-M071	1-M071	1-M071	3352.0	993.4	2 275.4	6 306.1	4749.6	3.52	1.46
8.75	1-EMS-T	1-MDAVNT	1-CSMMDA	3352.0	993.4	2 275.4	6 306.1	4749.6	3.51	1.46
9.00	1-EMS-T	1-HATCH1	1-PLUG	3352.0	993.4	2 275.4	6 306.1	4749.6	3.55	1.42
9.25	1-EMS-T	2-ENTRY	2-ENTRY	3351.9	993.4	2 275.4	6 306.1	4749.6	3.55	1.42
9.50	2-ENTRY	2-ACTIV1	2-ACTIV1	3351.7	993.4	2 275.4	6 306.1	4749.6	3.55	1.42
9.75	2-STSACT	2-STSACT	2-STSACT	3351.5	993.4	2 275.4	6 306.1	4749.6	3.55	1.42
10.25	2-CSMPWR	2-CSMPWR	2-COMACT	3351.2	993.4	2 275.4	6 306.1	4749.6	3.55	1.42
10.50	2-CSMPWR	2-EPS	2-COMACT	3351.0	993.4	2 275.4	6 306.1	4749.6	3.55	1.42
10.75	2-HEAT	2-EPS	2-C/W	3350.9	993.4	2 275.4	6 306.1	4749.6	3.55	1.42
11.00	2-MOL-S	2-MOL-S	2-MOL-S	3350.7	993.4	2 275.4	6 306.1	4749.6	3.55	1.42
11.25	2-02/N2	2-02/N2	2-02/N2	3350.5	993.4	2 275.4	6 306.1	4749.6	3.55	1.41
11.50	2-COND	2-AMACT	2-COND	3350.3	993.4	2 275.4	6 306.1	4749.6	3.55	1.41
11.75	2-AMAFT	2-AMAFT	2-AMAFT	3350.2	993.3	2 275.4	6 306.1	4749.6	3.55	1.41
12.00	1-EAT	1-EAT	1-EAT	3350.0	993.3	2 275.4	6 306.1	4749.6	3.55	1.41
13.00	1-M071	1-M071	1-M071	3349.3	993.3	2 275.4	6 306.1	4749.6	3.55	1.41
13.50	1-SLEEP	1-SLEEP	1-SLEEP	3348.9	993.3	2 275.4	6 306.1	4749.6	3.55	1.41
21.50	1-CMPH	1-CMPH	1-CMPH	3343.1	993.1	2 275.4	6 306.1	4749.6	3.55	1.39
22.00	1-EAT	1-EAT	1-EAT	3342.7	993.0	2 275.4	6 306.1	4749.6	3.55	1.39
23.00	1-M071	1-M071	1-M071	3342.0	993.0	2 275.4	6 306.1	4749.6	3.55	1.38
23.50	2-LIGHTS	2-AM/OWS	2-OPEN	3341.6	993.0	2 275.4	6 306.1	4749.6	3.55	1.38
23.75	2-ACTIV2	2-ACTIV2	2-ACTIV2	3341.4	993.0	2 275.4	6 306.1	4749.6	3.55	1.38
23.88	4-PLUG	4-DUCT	4-SYSCK	3341.3	993.0	2 275.4	6 306.1	4749.6	3.55	1.38
24.00	4-AMFLOW	4-EPS	4-SYSCK	3341.2	993.0	2 275.4	6 306.1	4749.6	3.55	1.38
24.25	4-SYSCK	4-EPS	4-SYSCK	3341.0	993.0	2 275.4	6 306.1	4749.6	3.55	1.38
24.50	4-SYSCK	4-CNTRLP	4-TCS	3340.8	993.0	2 275.4	6 306.1	4749.6	3.55	1.38
24.75	4-CHECK	4-CHECK	4-C/W	3340.6	993.0	2 275.4	6 306.1	4749.6	3.55	1.38
25.00	4-PANEL	4-WMS	4-PANEL	3340.4	993.0	2 275.4	6 306.1	4749.6	3.55	1.38
25.25	4-H2OACT	4-WSBACT	4-LAUNCH	3340.2	992.9	2 275.4	6 306.1	4749.6	3.55	1.38
25.50	4-FOOD	4-PORH2O	4-OWSTRN	3340.0	992.8	2 248.3	6 306.1	4722.4	3.55	1.38
25.75	4-ATMACT	4-S149ST	4-M074	3339.9	992.7	2 221.1	6 306.1	4695.2	3.55	1.38
26.13	4-ATMACT	4-OPEN	4-M074	3339.6	992.7	2 220.8	6 306.1	4695.0	3.55	1.37
26.25	4-ATMACT	4-OPEN	4-M172	3339.5	992.7	2 220.8	6 306.1	4694.9	3.55	1.37
26.50	4-LIGHTS	4-OPEN	4-OPEN	3339.3	992.6	2 220.6	6 306.1	4694.7	3.55	1.37
26.75	4-EAT	4-EAT	4-EAT	3339.1	992.6	2 220.4	6 306.1	4694.6	3.55	1.37
27.75	4-M071	4-M071	4-M071	3338.3	992.6	2 219.8	6 306.1	4693.9	3.55	1.37
28.25	4-PH	4-PH	4-PH	3337.9	992.6	2 219.4	6 306.1	4693.5	3.55	1.37
28.75	4-EPS	4-T003-1	4-OPEN	3337.5	992.6	2 219.1	6 305.2	4692.3	3.55	1.37
29.25	4-TM	4-T003-1	4-OPEN	3337.1	992.6	2 218.7	6 305.2	4691.9	3.55	1.37
29.42	4-TM	4-OPEN	4-OPEN	3337.0	992.5	2 218.6	6 305.2	4691.8	3.55	1.37
30.25	4-TCS	4-OPEN	4-OPEN	3336.3	992.5	2 218.1	6 305.2	4691.3	3.55	1.36
31.25	4-DEPLOY	4-OPEN	4-OPEN	3335.5	992.5	2 217.4	6 305.2	4690.6	3.55	1.36
31.75	4-EAT	4-EAT	4-EAT	3335.1	992.5	2 217.1	6 305.2	4690.2	3.55	1.36
32.75	4-M071	4-M071	4-M071	3334.3	992.4	2 216.4	6 305.2	4689.6	3.55	1.36
33.00	4-PLN	4-PLN	4-PLN	3334.1	992.4	2 216.2	6 305.2	4689.4	3.55	1.36

TABLE 6.0-III.- Continued.

TIME	ASTRO1	ASTRO 2	ASTRO 3	O2 TANK	N2 TANK	MET-EXP H2O TANK	WMC H2O TANK	TOTAL H2O TNKS	O2 PP	N2 PP
34.00	4-R-R	4-R-R	4-R-R	3333.3	992.4	2 215.5	6 305.2	4688.7	3.56	1.35
35.00	4-PH	4-PH	4-PH	3332.4	992.4	2 214.9	6 305.2	4688.1	3.56	1.35
35.50	4-M071	4-M071	4-M071	3332.0	992.3	2 214.5	6 304.3	4686.8	3.56	1.35
35.75	4-SLEEP	4-SLEEP	4-SLEEP	3331.8	992.3	2 214.4	6 304.3	4686.6	3.56	1.35
43.75	4-PH	4-PH	4-PH	3325.2	992.1	2 209.0	6 304.3	4681.2	3.57	1.33
44.25	4-EAT	4-EAT	4-EAT	3324.8	992.1	2 208.6	6 303.3	4679.9	3.57	1.33
45.25	4-M071	4-M071	4-M071	3323.9	992.0	2 207.9	6 303.3	4679.3	3.58	1.33
45.75	3-EVAPRP	3-EVAPRP	4-SYS-HK	3323.5	992.0	2 207.6	6 303.3	4678.9	3.58	1.32
46.75	3-HDWPRP	3-HDWPRP	4-SYS-HK	3322.7	992.0	2 206.9	6 302.9	4677.8	3.57	1.32
47.25	3-DONSUT	3-DONSUT	4-SYS-HK	3322.3	992.0	2 206.6	6 302.7	4677.3	3.57	1.32
47.50	3-SUTACT	3-SUTACT	4-SYS-HK	3322.0	991.9	2 206.4	6 302.5	4677.0	3.57	1.32
48.08	3-EGRESS	3-EGRESS	4-SYS-HK	3311.2	991.9	2 206.0	6 302.3	4676.3	3.73	1.32
48.42	3-EVA	3-EVA	2-EVAMON	3304.9	991.9	2 205.8	6 302.1	4675.9	3.73	1.32
50.75	3-INGRES	3-INGRES	2-EVAMON	3261.9	991.8	2 204.2	6 302.1	4674.4	3.72	1.32
51.25	3-DESUIT	3-DESUIT	2-EVAMON	3252.6	991.8	2 203.9	6 302.1	4674.0	3.72	1.32
51.42	3-PSTEVA	3-PSTEVA	2-OPEN	3252.5	991.8	2 203.8	6 302.1	4673.9	3.67	1.29
53.42	4-EAT	4-EAT	2-ATM-M	3251.1	991.7	2 202.4	6 302.1	4672.6	3.66	1.29
54.42	4-M071	4-M071	2-ATM	3250.4	991.7	2 201.8	6 302.1	4671.9	3.66	1.29
54.92	4-PH	4-PH	4-M071	3250.0	991.7	2 201.4	6 302.1	4671.6	3.66	1.28
55.42	4-SYS-HK	2-ATM	4-PH	3249.6	991.7	2 201.1	6 301.5	4670.6	3.66	1.28
55.92	4-SYS-HK	2-ATM	4-OPEN	3249.3	991.7	2 200.7	6 301.0	4669.7	3.66	1.28
56.75	4-OPEN	2-ATM	4-OPEN	3248.6	991.6	2 200.2	6 300.6	4668.8	3.66	1.28
57.75	4-EAT	4-EAT	4-EAT	3247.9	991.6	2 199.5	6 300.6	4668.1	3.66	1.28
58.75	4-M071	4-M071	4-M071	3247.1	991.6	2 198.8	6 300.6	4667.4	3.66	1.28
59.25	4-PH	4-PH	4-PH	3246.8	991.6	2 198.5	6 300.6	4667.1	3.66	1.27
59.75	4-SLEEP	4-SLEEP	4-SLEEP	3246.4	991.5	2 198.2	6 299.7	4665.8	3.66	1.27
67.75	4-PH	4-PH	4-PH	3240.2	991.3	2 192.8	6 299.7	4660.4	3.67	1.25
68.25	4-EAT	4-EAT	4-EAT	3239.8	991.2	2 192.4	6 298.7	4659.2	3.67	1.25
69.25	4-M071	4-M071	4-M071	3239.0	991.2	2 191.7	6 298.7	4658.5	3.67	1.25
69.75	4-SYS-HK	2-ATM	4-OPEN	3238.6	991.2	2 191.4	6 298.7	4658.2	3.67	1.25
70.75	4-SYS-HK	2-ATM	4-SYS-HK	3237.8	991.2	2 190.7	6 298.3	4657.0	3.67	1.25
71.50	2-ATM	2-ATM	4-SYS-HK	3237.2	991.1	2 190.2	6 297.6	4655.9	3.67	1.24
71.58	2-ATM	4-M092-S	4-M092-0	3237.1	991.1	2 190.2	6 297.6	4655.8	3.67	1.24
72.75	2-ATM	4-M171-S	4-M171-0	3236.1	991.0	2 189.4	6 297.6	4655.0	3.66	1.24
73.75	2-ATMSYM	4-EAT	4-EAT	3235.3	990.9	2 188.7	6 297.6	4654.3	3.66	1.24
74.75	2-M071	4-M071	4-M071	3234.4	990.9	2 188.0	6 297.6	4653.6	3.66	1.24
75.25	4-PH	4-PH	2-ATM	3234.0	990.8	2 187.7	6 297.6	4653.3	3.66	1.23
75.75	4-OPEN	4-SYS-HK	2-ATM	3233.6	990.8	2 187.4	6 297.0	4652.3	3.66	1.23
77.08	2-ATM	4-SYS-HK	4-PH	3232.4	990.8	2 186.5	6 296.4	4650.8	3.66	1.23
77.58	2-ATM	4-M092-0	4-M092-S	3232.0	990.8	2 186.1	6 295.9	4650.0	3.66	1.23
78.75	2-ATM	4-M171-0	4-M171-S	3231.0	990.6	2 185.3	6 295.9	4649.2	3.65	1.22
79.75	4-EAT	4-EAT	4-EAT	3230.1	990.5	2 184.7	6 295.9	4648.5	3.65	1.22
80.75	4-M071	4-M071	4-M071	3229.2	990.5	2 184.0	6 295.9	4647.8	3.66	1.22
81.00	4-PLN	2-ATM	4-PLN	3229.0	990.5	2 183.8	6 295.9	4647.7	3.66	1.22
82.00	4-R-R	2-ATM	4-R-R	3228.1	990.5	2 183.1	6 295.9	4647.0	3.66	1.22
83.00	4-PH	4-PH	4-PH	3227.2	990.4	2 182.5	6 295.9	4646.3	3.66	1.22
83.50	4-M071	4-M071	4-M071	3226.7	990.4	2 182.1	6 294.9	4645.0	3.66	1.21
83.75	4-SLEEP	4-SLEEP	4-SLEEP	3226.5	990.4	2 182.0	6 294.9	4644.9	3.66	1.21
91.75	4-PH	4-PH	4-PH	3219.4	990.1	2 176.6	6 294.9	4639.5	3.68	1.20
92.25	4-EAT	4-EAT	4-EAT	3219.0	990.1	2 176.2	6 294.0	4638.2	3.69	1.19

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TABLE 6.0 -III.- Continued.

TIME	ASTRO1	ASTRO 2	ASTRO 3	O2 TANK	N2 TANK	MET-EXP H2O TANK	WMC H2O TANK	TOTAL H2O TNKS	O2 PP	N2 PP
93.25	4-MO71	4-MO71	4-MO71	3218.1	990.1	2 175.5	6 294.0	4637.5	3.69	1.19
93.75	4-OPEN	4-SYS-HK	2-ATM	3217.6	990.1	2 175.2	6 294.0	4637.2	3.69	1.19
94.81	2-EREPDP	4-SYS-HK	2-ATM	3216.7	990.0	2 174.5	6 293.5	4636.0	3.69	1.19
95.81	2-EREPDP	4-EREP	4-EREP	3215.8	990.0	2 173.8	6 293.1	4634.9	3.69	1.19
96.69	2-EREPDP	4-OPEN	4-OPEN	3215.0	990.0	2 173.2	6 293.1	4634.3	3.69	1.18
96.88	2-ATM	4-OPEN	4-OPEN	3214.9	990.0	2 173.1	6 293.1	4634.2	3.69	1.18
97.75	2-ATMSYM	4-EAT	4-EAT	3214.1	989.9	2 172.5	6 293.1	4633.6	3.70	1.18
98.75	2-MO71	4-MO71	4-MO71	3213.2	989.9	2 171.8	6 293.1	4632.9	3.70	1.18
99.25	2-ATM	4-PH	4-PH	3212.7	989.9	2 171.5	6 293.1	4632.6	3.70	1.18
99.75	2-ATM	2-ATM	4-SYS-HK	3212.3	989.9	2 171.2	6 292.5	4631.6	3.70	1.18
99.92	4-PH	2-ATM	4-SYS-HK	3212.1	989.9	2 171.0	6 292.4	4631.4	3.70	1.18
100.42	4-SYS-HK	2-ATM	4-SYS-HK	3211.7	989.8	2 170.7	6 291.8	4630.5	3.70	1.18
101.63	4-MO92-S	2-ATM	4-MO92-O	3210.6	989.8	2 169.9	6 290.8	4628.7	3.70	1.17
102.75	4-M171-S	2-ATM	4-M171-O	3209.6	989.7	2 169.1	6 290.8	4627.9	3.69	1.17
103.75	4-EAT	4-EAT	4-EAT	3208.7	989.6	2 168.5	6 290.8	4627.2	3.69	1.17
104.75	4-MO71	4-MO71	4-MO71	3207.7	989.5	2 167.8	6 290.8	4626.5	3.70	1.16
105.00	4-PLN	4-PLN	2-ATM	3207.5	989.5	2 167.6	6 290.8	4626.4	3.70	1.16
106.00	4-R-R	4-R-R	2-ATM	3206.6	989.5	2 166.9	6 290.8	4625.7	3.70	1.16
107.00	4-PH	4-PH	4-PH	3205.7	989.4	2 166.3	6 290.8	4625.0	3.70	1.16
107.50	4-MO71	4-MO71	4-MO71	3205.2	989.4	2 165.9	6 289.8	4623.8	3.70	1.16
107.75	4-SLEEP	4-SLEEP	4-SLEEP	3205.0	989.4	2 165.8	6 289.8	4623.6	3.70	1.16
115.75	4-PH	4-PH	4-PH	3197.7	989.2	2 160.4	6 289.8	4618.2	3.73	1.14
116.25	4-EAT	4-EAT	4-EAT	3197.2	989.1	2 160.0	6 288.9	4616.9	3.73	1.14
117.25	4-MO71	4-MO71	4-MO71	3196.3	989.1	2 159.3	6 288.9	4616.2	3.73	1.14
117.75	2-OPEN	2-ATM	4-SYS-HK	3195.9	989.1	2 159.0	6 288.9	4615.9	3.73	1.14
118.08	2-EREPDP	2-ATM	4-SYS-HK	3195.6	989.1	2 158.8	6 288.8	4615.5	3.73	1.14
119.15	2-EREPDP	4-EREP	4-EREP	3194.6	989.0	2 158.1	6 288.3	4614.3	3.74	1.13
119.95	2-EREPDP	4-OPEN	2-ATM	3193.9	989.0	2 157.5	6 288.3	4613.8	3.74	1.13
120.15	2-OPEN	4-OPEN	2-ATM	3193.7	989.0	2 157.4	6 288.3	4613.7	3.74	1.13
121.75	4-EAT	4-EAT	2-ATMSYM	3192.2	989.0	2 156.3	6 288.3	4612.6	3.74	1.13
122.75	4-MO71	4-MO71	2-ATM	3191.3	988.9	2 155.6	6 288.3	4611.9	3.74	1.13
123.25	4-PH	4-PH	2-MO71	3190.9	988.9	2 155.3	6 288.3	4611.6	3.75	1.12
123.75	4-SYS-HK	2-ATM	4-PH	3190.4	988.9	2 155.0	6 287.7	4610.6	3.75	1.12
124.25	4-SYS-HK	2-ATM	4-OPEN	3190.0	988.9	2 154.6	6 287.1	4609.7	3.75	1.12
125.15	4-TO27SU	2-ATM	4-OPEN	3189.2	988.8	2 154.0	6 286.7	4608.7	3.75	1.12
125.75	4-TO27-2	2-ATM	4-OPEN	3188.6	988.8	2 153.6	6 286.7	4608.3	3.75	1.12
125.92	4-TO27	2-ATM	4-SYS-HK	3188.5	988.8	2 153.5	6 286.7	4608.2	3.75	1.12
126.83	4-OPEN	2-ATM	4-SYS-HK	3187.7	988.8	2 152.9	6 286.3	4607.2	3.75	1.12
127.75	4-EAT	4-EAT	4-EAT	3186.8	988.7	2 152.3	6 285.9	4606.2	3.76	1.12
128.75	4-MO71	4-MO71	4-MO71	3185.9	988.7	2 151.6	6 285.9	4605.5	3.76	1.11
129.00	2-ATM	4-PLN	4-PLN	3185.7	988.7	2 151.4	6 285.9	4605.3	3.76	1.11
130.00	2-ATM	4-R-R	4-R-R	3184.8	988.7	2 150.7	6 285.9	4604.6	3.76	1.11
131.00	4-PH	4-PH	4-PH	3183.9	988.6	2 150.1	6 285.9	4604.0	3.76	1.11
131.50	4-MO71	4-MO71	4-MO71	3183.5	988.6	2 149.7	6 285.0	4602.7	3.76	1.11
131.75	4-SLEEP	4-SLEEP	4-SLEEP	3183.2	988.6	2 149.6	6 285.0	4602.5	3.77	1.11
139.75	4-PH	4-PH	4-PH	3176.1	988.3	2 144.2	6 285.0	4597.1	3.79	1.09
140.25	4-EAT	4-EAT	4-EAT	3175.6	988.3	2 143.8	6 284.0	4595.9	3.79	1.09
141.25	4-MO71	4-MO71	4-MO71	3174.7	988.3	2 143.1	6 284.0	4595.2	3.79	1.09
141.75	4-SYS-HK	4-SYS-HK	2-ATM	3174.3	988.3	2 142.8	6 284.0	4594.9	3.79	1.09
143.00	2-EREPDP	4-SYS-HK	2-ATM	3173.2	988.2	2 142.0	6 282.9	4592.9	3.79	1.08

TABLE 6.0 -III. - Continued.

TIME	ASTRO1	ASTRO 2	ASTRO 3	O2 TANK	N2 TANK	MET-EXP H2O TANK	WMC H2O TANK	TOTAL, H2O TNKS	O2 PP	N2 PP
144.00	2-EREPDP	4-EREP	4-EREP	3172.3	988.2	2 141.3	6 282.5	4591.8	3.79	1.08
144.88	2-EREPDP	4-M092-S	4-M092-0	3171.5	988.2	2 140.7	6 282.5	4591.2	3.80	1.08
145.08	2-ATM	4-M092	4-M092-0	3171.3	988.1	2 140.6	6 282.5	4591.0	3.78	1.08
145.75	2-ATMSYM	4-M092	4-M092-0	3170.7	988.0	2 140.1	6 282.5	4590.6	3.78	1.08
146.00	2-ATMSYM	4-M093-S	4-M093-0	3170.5	988.0	2 139.9	6 282.5	4590.4	3.78	1.07
146.50	2-ATMSYM	4-EAT	4-EAT	3170.0	988.0	2 139.6	6 282.5	4590.1	3.79	1.07
146.75	2-M071	4-EAT	4-EAT	3169.8	988.0	2 139.4	6 282.5	4589.9	3.79	1.07
147.25	2-ATM	4-EAT	4-EAT	3169.3	988.0	2 139.1	6 282.5	4589.6	3.79	1.07
147.50	2-ATM	4-M071	4-M071	3169.1	988.0	2 138.9	6 282.5	4589.4	3.79	1.07
148.00	2-ATM	4-PH	4-PH	3168.6	988.0	2 138.6	6 282.5	4589.1	3.79	1.07
148.20	4-PH	4-PH	4-PH	3168.4	988.0	2 138.5	6 282.2	4588.7	3.79	1.07
148.50	4-PH	4-SYS-HK	2-ATM	3168.1	988.0	2 138.3	6 281.7	4587.9	3.79	1.07
148.70	4-T027-2	4-SYS-HK	2-ATM	3168.0	987.9	2 138.1	6 281.5	4587.6	3.79	1.07
150.13	4-T027	4-M092-0	4-M092	3166.6	987.9	2 137.2	6 280.8	4586.0	3.79	1.07
150.25	2-ATM	4-M092-0	4-M092-S	3166.5	987.9	2 137.1	6 280.8	4585.9	3.79	1.07
151.25	4-SYS-HK	4-M093-0	4-M093-S	3165.6	987.8	2 136.4	6 280.8	4585.2	3.78	1.06
151.75	4-EAT	4-EAT	4-EAT	3165.1	987.7	2 136.1	6 280.6	4584.7	3.78	1.06
152.75	4-M071	4-M071	4-M071	3164.1	987.7	2 135.4	6 280.6	4584.0	3.79	1.06
153.00	4-PLN	2-ATM	4-PLN	3163.9	987.7	2 135.2	6 280.6	4583.8	3.79	1.06
154.00	4-R-R	2-ATM	4-R-R	3162.9	987.7	2 134.5	6 280.6	4583.1	3.79	1.06
155.00	4-PH	4-PH	4-PH	3162.0	987.6	2 133.9	6 280.6	4582.5	3.79	1.05
155.50	4-M071	4-M071	4-M071	3161.5	987.6	2 133.5	6 279.7	4581.2	3.79	1.05
155.75	4-SLEEP	4-SLEEP	4-SLEEP	3161.3	987.6	2 133.4	6 279.7	4581.0	3.80	1.05
163.75	4-PH	4-PH	4-PH	3159.9	981.3	2 128.0	6 279.7	4575.6	3.73	1.14
164.25	4-EAT	4-EAT	4-EAT	3159.9	980.8	2 127.6	6 278.7	4574.4	3.72	1.15
165.25	4-M071	4-M071	4-M071	3159.9	979.9	2 126.9	6 278.7	4573.7	3.71	1.16
165.75	4-SYS-HK	4-SYS-HK	2-ATM	3159.9	979.4	2 126.6	6 278.7	4573.3	3.71	1.17
166.25	2-EREPDP	4-SYS-HK	2-ATM	3159.9	978.9	2 126.3	6 278.3	4572.6	3.70	1.18
167.25	2-EREPDP	4-EREP	4-EREP	3159.9	978.0	2 125.6	6 277.9	4571.4	3.69	1.19
168.13	2-EREPDP	2-ATM	4-OPEN	3159.9	977.2	2 125.0	6 277.9	4570.9	3.68	1.20
168.33	4-SYS-HK	2-ATM	4-OPEN	3159.9	977.0	2 124.9	6 277.9	4570.7	3.68	1.20
169.75	4-EAT	2-ATMSYM	4-EAT	3159.9	975.7	2 123.9	6 277.2	4569.1	3.66	1.22
170.75	4-M071	2-M071	4-M071	3159.9	974.8	2 123.2	6 277.2	4568.5	3.65	1.24
171.25	4-PH	2-ATM	4-PH	3159.9	974.3	2 122.9	6 277.2	4568.1	3.64	1.24
171.75	2-ATM	4-PH	4-SYS-HK	3159.9	973.9	2 122.6	6 276.6	4567.2	3.64	1.25
172.25	2-ATM	4-OPEN	4-SYS-HK	3159.9	973.4	2 122.2	6 276.1	4566.3	3.63	1.25
172.35	2-ATM	4-OPEN	4-T027-2	3159.9	973.3	2 122.2	6 276.0	4566.2	3.63	1.26
173.55	2-ATM	4-OPEN	4-SYS-HK	3159.9	972.3	2 121.3	6 276.0	4565.4	3.61	1.27
174.08	2-ATM	2-ATM	4-SYS-HK	3159.9	971.8	2 121.0	6 275.8	4564.8	3.61	1.28
174.13	4-M092-S	2-ATM	4-M092-0	3159.9	971.7	2 121.0	6 275.8	4564.7	3.61	1.28
175.25	4-M093-S	2-ATM	4-M093-0	3159.0	971.5	2 120.2	6 275.8	4564.0	3.60	1.27
175.75	4-EAT	4-EAT	4-EAT	3158.6	971.5	2 119.9	6 275.8	4563.6	3.60	1.27
176.75	4-M071	4-M071	4-M071	3157.7	971.5	2 119.2	6 275.8	4562.9	3.60	1.27
177.00	4-PLN	4-PLN	2-ATM	3157.4	971.5	2 119.0	6 275.8	4562.8	3.60	1.27
178.00	4-R-R	4-R-R	2-ATM	3156.5	971.4	2 118.3	6 275.8	4562.1	3.60	1.27
179.00	4-PH	4-PH	4-PH	3155.6	971.4	2 117.7	6 275.8	4561.4	3.60	1.27
179.50	4-M071	4-M071	4-M071	3155.2	971.4	2 117.3	6 274.8	4560.2	3.61	1.26
179.75	4-SLEEP	4-SLEEP	4-SLEEP	3154.9	971.4	2 117.2	6 274.8	4560.0	3.61	1.26
187.75	4-PH	4-PH	4-PH	3147.7	971.1	2 111.8	6 274.8	4554.6	3.63	1.24
188.25	4-EAT	4-EAT	4-EAT	3147.3	971.1	2 111.4	6 273.9	4553.3	3.63	1.24

TABLE 6.0 - III. - Continued.

TIME	ASTRO1	ASTRO 2	ASTRO 3	O2 TANK	N2 TANK	MET-EXP H2O TANK	WMC H2O TANK	TOTAL H2O TNKS	O2 PP	N2 PP
189.25	4-M071	4-M071	4-M071	3146.4	971.0	2 110.7	6 273.9	4552.6	3.63	1.24
189.75	4-OPEN	2-ATM	4-SYS-HK	3146.0	971.0	2 110.4	6 273.9	4552.3	3.63	1.24
191.13	2-EREPDP	2-ATM	4-SYS-HK	3144.7	971.0	2 109.5	6 273.3	4550.8	3.64	1.24
191.58	2-EREPDP	2-ATM	4-OPEN	3144.3	971.0	2 109.2	6 273.1	4550.3	3.64	1.24
192.17	2-EREPDP	4-EREP	4-EREP	3143.8	970.9	2 108.8	6 273.1	4549.9	3.64	1.23
193.05	2-EREPDP	4-OPEN	2-ATM	3143.0	970.9	2 108.2	6 273.1	4549.3	3.64	1.23
193.50	4-OPEN	4-OPEN	2-ATM	3142.6	970.9	2 107.9	6 273.1	4549.0	3.64	1.23
193.75	4-EAT	4-EAT	2-ATMSYM	3142.4	970.9	2 107.7	6 273.1	4548.8	3.64	1.23
194.75	4-M071	4-M071	2-M071	3141.5	970.9	2 107.0	6 273.1	4548.1	3.65	1.23
195.25	4-PH	4-PH	2-ATM	3141.0	970.8	2 106.7	6 273.1	4547.8	3.65	1.23
195.75	4-SYS-HK	4-OPEN	2-ATM	3140.6	970.8	2 106.4	6 272.5	4546.8	3.65	1.23
197.25	4-T027-2	4-OPEN	2-ATM	3139.2	970.8	2 105.3	6 271.8	4545.1	3.65	1.22
197.92	4-T027	2-ATM	4-PH	3138.6	970.8	2 104.9	6 271.8	4544.7	3.65	1.22
198.33	4-T027ST	2-ATM	4-PH	3138.3	970.7	2 104.6	6 271.5	4544.2	3.65	1.22
198.42	4-T027SU	2-ATM	4-SYS-HK	3138.2	970.7	2 104.6	6 271.5	4544.0	3.65	1.22
199.08	4-OPEN	2-ATM	4-SYS-HK	3137.6	970.7	2 104.1	6 271.2	4543.3	3.65	1.22
199.75	4-EAT	4-EAT	4-EAT	3137.0	970.7	2 103.7	6 270.9	4542.5	3.65	1.22
200.75	4-M071	4-M071	4-M071	3136.1	970.7	2 103.0	6 270.9	4541.9	3.66	1.21
201.00	2-ATM	4-PLN	4-PLN	3135.9	970.6	2 102.8	6 270.9	4541.7	3.66	1.21
202.00	2-ATM	4-R-R	4-R-R	3135.0	970.6	2 102.1	6 270.9	4541.0	3.66	1.21
203.00	4-PH	4-PH	4-PH	3134.1	970.6	2 101.5	6 270.9	4540.4	3.66	1.21
203.50	4-M071	4-M071	4-M071	3133.6	970.6	2 101.1	6 270.0	4539.1	3.66	1.21
203.75	4-SLEEP	4-SLEEP	4-SLEEP	3133.4	970.6	2 101.0	6 270.0	4538.9	3.66	1.21
211.75	4-PH	4-PH	4-PH	3126.2	970.3	2 95.6	6 270.0	4533.5	3.69	1.19
212.25	4-EAT	4-EAT	4-EAT	3125.8	970.3	2 95.2	6 269.0	4532.2	3.69	1.19
213.25	4-M071	4-M071	4-M071	3124.9	970.2	2 94.5	6 269.0	4531.6	3.69	1.19
213.75	4-SYS-HK	2-ATM	4-SYS-HK	3124.4	970.2	2 94.2	6 269.0	4531.2	3.69	1.19
215.50	2-ATM	2-ATM	4-SYS-HK	3122.9	970.2	2 93.0	6 267.5	4528.5	3.69	1.18
215.63	2-ATM	4-M092-S	4-M092-O	3122.8	970.2	2 92.9	6 267.4	4528.4	3.70	1.18
216.75	2-ATM	4-M171-S	4-M171-O	3121.7	970.0	2 92.2	6 267.4	4527.6	3.68	1.18
217.75	4-EAT	4-EAT	2-ATMSYM	3120.8	969.9	2 91.5	6 267.4	4526.9	3.69	1.17
218.75	4-M071	4-M071	2-M071	3119.9	969.9	2 90.8	6 267.4	4526.2	3.69	1.17
219.25	4-OPEN	4-PH	2-ATM	3119.4	969.9	2 90.5	6 267.4	4525.9	3.69	1.17
219.33	2-EREPDP	4-PH	2-ATM	3119.3	969.9	2 90.4	6 267.4	4525.8	3.69	1.17
219.75	2-EREPDP	4-SYS-HK	2-ATM	3119.0	969.9	2 90.2	6 267.1	4525.3	3.69	1.17
219.88	2-EREPDP	4-SYS-HK	4-PH	3118.8	969.8	2 90.1	6 267.0	4525.1	3.69	1.17
220.38	2-EREPDP	4-EREP	4-EREP	3118.4	969.8	2 89.7	6 266.5	4524.2	3.69	1.17
221.25	2-EREPDP	4-SYS-HK	4-OPEN	3117.6	969.8	2 89.1	6 266.5	4523.7	3.70	1.17
221.42	2-ATM	4-SYS-HK	4-OPEN	3117.4	969.8	2 89.0	6 266.4	4523.5	3.70	1.17
221.63	2-ATM	4-M092-O	4-M092-S	3117.2	969.8	2 88.9	6 266.3	4523.2	3.70	1.17
222.75	2-ATM	4-M171-O	4-M171	3116.2	969.7	2 88.1	6 266.3	4522.5	3.69	1.16
222.83	2-PH	4-M171-O	4-M171	3116.1	969.7	2 88.1	6 266.3	4522.4	3.69	1.16
223.33	2-ATM	4-M171-O	4-M171-S	3115.6	969.6	2 87.7	6 266.0	4521.8	3.69	1.16
223.75	4-EAT	4-EAT	4-EAT	3115.2	969.5	2 87.5	6 266.0	4521.5	3.69	1.16
224.75	4-M071	4-M071	4-M071	3114.3	969.5	2 86.8	6 266.0	4520.8	3.69	1.16
225.00	4-PLN	2-ATM	4-PH	3114.0	969.5	2 86.6	6 266.0	4520.6	3.69	1.16
226.00	4-R-R	2-ATM	4-R-R	3113.1	969.5	2 85.9	6 266.0	4520.0	3.69	1.16
227.00	4-PH	4-PH	4-PH	3112.1	969.4	2 85.3	6 266.0	4519.3	3.70	1.15
227.50	4-M071	4-M071	4-M071	3111.7	969.4	2 84.9	6 265.1	4518.0	3.70	1.15
227.75	4-SLEEP	4-SLEEP	4-SLEEP	3111.4	969.4	2 84.8	6 265.1	4517.9	3.70	1.15

TABLE 6.0-III.- Continued.

TIME	ASTRO1	ASTRO 2	ASTRO 3	O2 TANK	N2 TANK	MET-EXP H2O TANK		WMC H2O TANK		TOTAL H2O TNKS	O2 PP	N2 PP
235.75	4-PH	4-PH	4-PH	3104.0	969.2	2	79.4	6	265.1	4512.5	3.73	1.13
236.25	4-EAT	4-EAT	4-EAT	3103.5	969.1	2	79.0	6	264.2	4511.2	3.73	1.13
237.25	4-M071	4-M071	4-M071	3102.6	969.1	2	78.3	6	264.2	4510.5	3.73	1.13
237.75	4-SYS-HK	4-OPEN	2-ATM	3102.1	969.1	2	78.0	6	264.2	4510.2	3.73	1.13
238.75	4-SYS-HK	4-SYS-HK	2-ATM	3101.2	969.0	2	77.3	6	263.7	4509.1	3.73	1.13
239.13	4-T027-3	4-SYS-HK	2-ATM	3100.8	969.0	2	77.1	6	263.4	4508.5	3.74	1.13
240.42	4-OPEN	4-SYS-HK	2-ATM	3099.7	969.0	2	76.2	6	262.8	4507.0	3.74	1.12
241.13	4-EAT	4-SYS-HK	2-ATM	3099.0	969.0	2	75.7	6	262.5	4506.2	3.74	1.12
241.75	4-EAT	2-ATMSYM	4-EAT	3098.4	968.9	2	75.3	6	262.2	4505.5	3.74	1.12
242.13	4-M071	2-ATMSYM	4-EAT	3098.1	968.9	2	75.1	6	262.2	4505.3	3.74	1.12
242.63	2-EREPDP	2-ATMSYM	4-EAT	3097.6	968.9	2	74.7	6	262.2	4504.9	3.74	1.12
242.75	2-EREPDP	4-M071	4-M071	3097.5	968.9	2	74.6	6	262.2	4504.8	3.74	1.12
243.25	2-EREPDP	4-PH	4-OPEN	3097.1	968.9	2	74.3	6	262.2	4504.5	3.75	1.12
243.62	2-EREPDP	4-EREP	4-EREP	3096.7	968.9	2	74.0	6	262.0	4504.0	3.75	1.12
244.50	2-EREPDP	2-ATM	4-PH	3095.9	968.9	2	73.5	6	262.0	4503.4	3.75	1.12
244.70	4-PH	2-ATM	4-PH	3095.7	968.8	2	73.3	6	261.9	4503.2	3.75	1.12
245.00	4-PH	2-ATM	4-SYS-HK	3095.4	968.8	2	73.1	6	261.5	4502.6	3.75	1.11
245.20	4-OPEN	2-ATM	4-SYS-HK	3095.3	968.8	2	73.0	6	261.3	4502.3	3.75	1.11
245.60	-4-M092-S	2-ATM	4-M092-0	3094.9	968.8	2	72.7	6	261.1	4501.8	3.75	1.11
246.75	4-M171-S	2-ATM	4-M171-0	3093.8	968.7	2	71.9	6	261.1	4501.0	3.74	1.11
247.75	4-EAT	4-EAT	4-EAT	3092.8	968.6	2	71.3	6	261.1	4500.4	3.74	1.11
248.75	4-M071	4-M071	4-M071	3091.9	968.5	3	670.6	6	261.1	4499.7	3.74	1.11
249.00	4-PLN	4-PLN	2-ATM	3091.7	968.5	3	670.4	6	261.1	4499.5	3.74	1.11
250.00	4-R-R	4-R-R	2-ATM	3090.7	968.5	3	669.7	6	261.1	4498.8	3.75	1.10
251.00	4-PH	4-PH	4-PH	3089.8	968.5	3	669.1	6	261.1	4498.2	3.75	1.10
251.50	4-M071	4-M071	4-M071	3089.3	968.4	3	668.7	6	260.2	4496.9	3.75	1.10
251.75	4-SLEEP	4-SLEEP	4-SLEEP	3089.1	968.4	3	668.6	6	260.2	4496.7	3.75	1.10
259.75	4-PH	4-PH	4-PH	3081.6	968.2	3	663.2	6	260.2	4491.3	3.78	1.08
260.25	4-EAT	4-EAT	4-EAT	3081.1	968.2	3	662.8	6	259.2	4490.1	3.78	1.08
261.25	4-M071	4-M071	4-M071	3080.2	968.1	3	662.1	6	259.2	4489.4	3.78	1.08
261.75	4-M487-1	4-M487-1	4-M487-1	3079.8	968.1	3	661.6	6	259.2	4489.0	3.78	1.08
262.00	4-SYS-HK	4-OFFDTY	4-OFFDTY	3079.5	968.1	3	661.6	6	259.2	4488.9	3.78	1.08
263.50	4-OFFDTY	4-OFFDTY	4-OFFDTY	3078.1	968.0	3	660.6	6	258.6	4487.2	3.79	1.08
265.75	4-EAT	4-EAT	4-EAT	3076.1	968.0	3	659.1	6	258.6	4485.7	3.79	1.07
266.75	4-M071	4-M071	4-M071	3075.1	967.9	3	658.4	6	258.6	4485.0	3.79	1.07
267.25	4-PH	4-PH	4-PH	3074.7	967.9	3	658.1	6	258.6	4484.7	3.79	1.07
267.75	4-OFFDTY	4-SYS-HK	4-OFFDTY	3074.2	967.9	3	657.8	6	257.6	4483.4	3.79	1.07
269.25	4-OFFDTY	4-OFFDTY	4-OFFDTY	3072.8	967.9	3	656.7	6	257.0	4481.7	3.80	1.06
270.25	4-OFFDTY	4-OFFDTY	4-SYS-HK	3071.9	967.8	3	656.1	6	257.0	4481.0	3.80	1.06
271.75	4-EAT	4-EAT	4-EAT	3071.6	966.7	3	655.1	6	256.3	4479.4	3.79	1.08
272.75	4-M071	4-M071	4-M071	3071.6	965.7	3	654.7	6	256.3	4478.7	3.77	1.09
273.00	4-PLN	4-PLN	4-PLN	3071.6	965.5	3	654.2	6	256.3	4478.5	3.77	1.10
274.00	4-R-R	4-R-R	4-R-R	3071.6	964.5	3	653.5	6	256.3	4477.8	3.76	1.11
275.00	4-PH	4-PH	4-PH	3071.6	963.6	3	652.9	6	256.3	4477.2	3.75	1.12
275.50	4-M071	4-M071	4-M071	3071.6	963.1	3	652.5	6	255.4	4475.9	3.74	1.13
275.75	4-SLEEP	4-SLEEP	4-SLEEP	3071.6	962.9	3	652.4	6	255.4	4475.7	3.74	1.13
283.75	4-PH	4-PH	4-PH	3071.6	955.6	3	647.0	6	255.4	4470.3	3.65	1.24
284.25	4-EAT	4-EAT	4-EAT	3071.6	955.1	3	646.6	6	254.4	4469.1	3.65	1.24
285.25	4-M071	4-M071	4-M071	3071.6	954.2	3	645.9	6	254.4	4468.4	3.64	1.26
285.75	2-ATM	4-T003-2	4-OPEN	3071.6	953.8	3	645.6	6	254.4	4468.0	3.63	1.26

TABLE 6.0-III.- Continued.

TIME	ASTRO1	ASTRO 2	ASTRO 3	O2 TANK	N2 TANK	MET-EXP H2O TANK	WMC H2O TANK	TOTAL H2O TNKS	O2 PP	N2 PP
285.83	2-ATM	4-T003-2	4-T027-3	3071.6	953.7	3 645.6	6 254.4	4468.0	3.63	1.26
286.08	2-ATM	4-SYS-HK	4-T027	3071.6	953.5	3 645.4	6 254.4	4467.8	3.63	1.27
287.08	2-ATM	4-SYS-HK	4-SYS-HK	3071.6	952.6	3 644.7	6 254.0	4466.7	3.61	1.28
288.13	2-ATM	4-M092-S	4-M092-0	3071.6	951.7	3 644.0	6 253.1	4465.1	3.60	1.29
289.25	2-ATM	4-M093-S	4-M093-0	3070.7	951.5	3 643.2	6 253.1	4464.3	3.59	1.29
289.33	2-ATMSYM	4-M093-S	4-M093-0	3070.6	951.5	3 643.2	6 253.1	4464.2	3.59	1.29
289.75	2-ATMSYM	4-EAT	2-ATMSYM	3070.3	951.5	3 642.9	6 253.1	4464.0	3.59	1.29
290.33	2-M071	4-EAT	2-ATMSYM	3069.7	951.4	3 642.5	6 253.1	4463.6	3.59	1.29
290.75	2-M071	4-M071	2-ATM	3069.4	951.4	3 642.2	6 253.1	4463.3	3.59	1.28
290.83	2-EREPDP	4-M071	2-ATM	3069.3	951.4	3 642.2	6 253.1	4463.2	3.59	1.28
291.25	2-EREPDP	4-PH	2-ATM	3068.9	951.4	3 641.9	6 253.1	4463.0	3.59	1.28
291.33	2-EREPDP	4-PH	4-M071	3068.8	951.4	3 641.8	6 253.0	4462.8	3.59	1.28
291.75	2-EREPDP	4-OPEN	4-M071	3068.5	951.4	3 641.6	6 252.7	4462.3	3.59	1.28
291.83	2-EREPDP	4-EREP	4-EREP	3068.4	951.4	3 641.5	6 252.7	4462.2	3.59	1.28
292.71	2-EREPDP	2-ATM	4-PH	3067.6	951.4	3 640.9	6 252.7	4461.7	3.60	1.28
292.92	4-PH	2-ATM	4-PH	3067.4	951.3	3 640.8	6 252.6	4461.4	3.60	1.28
293.21	4-PH	2-ATM	4-SYS-HK	3067.2	951.3	3 640.6	6 252.3	4460.8	3.60	1.28
293.42	4-SYS-HK	2-ATM	4-SYS-HK	3067.0	951.3	3 640.4	6 252.0	4460.5	3.60	1.28
294.08	2-ATM	2-ATM	4-SYS-HK	3066.4	951.3	3 640.0	6 251.4	4459.4	3.60	1.28
294.13	2-ATM	4-M092-0	4-M092-S	3066.3	951.3	3 640.0	6 251.4	4459.4	3.60	1.28
295.25	2-ATM	4-M093-0	4-M093-S	3065.3	951.2	3 639.2	6 251.4	4458.6	3.59	1.27
295.75	4-EAT	4-EAT	4-EAT	3064.8	951.2	3 638.9	6 251.4	4458.3	3.59	1.27
296.50	4-EAT	4-EAT	4-T003-3	3064.2	951.1	3 638.4	6 251.4	4457.8	3.59	1.27
296.75	4-M071	4-M071	4-M071	3063.9	951.1	3 638.2	6 251.4	4457.6	3.59	1.27
297.00	2-ATM	4-PLN	4-PLN	3063.7	951.1	3 638.0	6 251.4	4457.4	3.59	1.27
298.00	2-ATM	4-R-R	4-R-R	3062.8	951.1	3 637.3	6 251.4	4456.8	3.59	1.26
299.00	4-PH	4-PH	4-PH	3061.8	951.0	3 636.7	6 251.4	4456.1	3.60	1.26
299.50	4-M071	4-M071	4-M071	3061.4	951.0	3 636.3	6 250.5	4454.8	3.60	1.26
299.75	4-SLEEP	4-SLEEP	4-SLEEP	3061.1	951.0	3 636.2	6 250.5	4454.6	3.60	1.26
307.75	4-PH	4-PH	4-PH	3053.8	950.8	3 630.8	6 250.5	4449.2	3.63	1.24
308.25	4-EAT	4-EAT	4-EAT	3053.3	950.7	3 630.4	6 249.6	4448.0	3.63	1.24
309.25	4-M071	4-M071	4-M071	3052.4	950.7	3 629.7	6 249.6	4447.3	3.63	1.24
309.75	4-M487-2	4-M487-2	4-M487-2	3052.0	950.7	3 629.4	6 249.6	4447.0	3.63	1.24
310.56	4-OPEN	4-SYS-HK	2-ATM	3051.2	950.7	3 628.9	6 249.6	4446.4	3.63	1.23
310.73	4-T027-3	4-SYS-HK	2-ATM	3051.1	950.7	3 628.7	6 249.5	4446.2	3.63	1.23
311.95	4-OPEN	4-SYS-HK	2-ATM	3050.0	950.6	3 627.9	6 248.9	4444.9	3.64	1.23
312.50	2-EREPDP	4-SYS-HK	2-ATM	3049.5	950.6	3 627.6	6 248.7	4444.2	3.64	1.23
313.00	2-EREPDP	4-OPEN	2-ATM	3049.0	950.6	3 627.2	6 248.5	4443.7	3.64	1.23
313.50	2-EREPDP	4-EREP	4-EREP	3048.5	950.6	3 626.9	6 248.5	4443.3	3.64	1.23
314.38	2-EREPDP	4-OPEN	4-OPEN	3047.7	950.5	3 626.3	6 248.5	4442.8	3.64	1.23
314.58	2-ATMSYM	4-EAT	4-EAT	3047.6	950.5	3 626.1	6 248.5	4442.6	3.64	1.23
315.58	2-ATM	4-M071	4-M071	3046.6	950.5	3 625.5	6 248.5	4441.9	3.64	1.22
316.08	4-M071	4-PH	2-ATM	3046.2	950.5	3 625.1	6 248.5	4441.6	3.65	1.22
316.58	4-PH	4-SYS-HK	2-ATM	3045.7	950.5	3 624.8	6 248.2	4441.0	3.65	1.22
317.08	4-SYS-HK	4-SYS-HK	2-ATM	3045.3	950.4	3 624.5	6 247.6	4440.1	3.65	1.22
317.63	4-SYS-HK	2-ATM	4-PH	3044.8	950.4	3 624.1	6 247.1	4439.2	3.65	1.22
318.13	4-M092-S	2-ATM	4-M092-0	3044.3	950.4	3 623.8	6 246.6	4438.4	3.65	1.22
319.25	4-M093-S	2-ATM	4-M093-0	3043.3	950.3	3 623.0	6 246.6	4437.6	3.64	1.21
319.75	4-EAT	4-EAT	4-EAT	3042.8	950.3	3 622.7	6 246.6	4437.3	3.64	1.21
320.75	4-M071	4-M071	4-M071	3041.8	950.2	3 622.0	6 246.6	4436.6	3.64	1.21

TABLE 6.0 -III.- Continued.

TIME	ASTRO1	ASTRO 2	ASTRO 3	O2 TANK	N2 TANK	MET-EXP H2O TANK	WM$_C$ H2O TANK	TOTAL H2O TNKS	O2 PP	N2 PP
321.00	4-PLN	2-ATM	4-PLN	3041.6	950.2	3 621.8	6 246.6	4436.4	3.64	1.21
322.00	4-R-R	2-ATM	4-R-R	3040.7	950.2	3 621.1	6 246.6	4435.7	3.65	1.21
323.00	4-PH	4-PH	4-PH	3039.7	950.1	3 620.5	6 246.6	4435.1	3.65	1.20
323.50	4-MO71	4-MO71	4-MO71	3039.3	950.1	3 620.1	6 245.7	4433.8	3.65	1.20
323.75	4-SLEEP	4-SLEEP	4-SLEEP	3039.0	950.1	3 620.0	6 245.7	4433.6	3.65	1.20
331.75	4-PH	4-PH	4-PH	3031.6	949.9	3 614.6	6 245.7	4428.2	3.68	1.18
332.25	4-EAT	4-EAT	4-EAT	3031.1	949.8	3 614.2	6 244.7	4427.0	3.68	1.18
333.25	4-MO71	4-MO71	4-MO71	3030.2	949.8	3 613.5	6 244.7	4426.3	3.68	1.18
333.75	4-OPEN	2-ATM	4-SYS-HK	3029.8	949.8	3 613.2	6 244.7	4425.9	3.68	1.18
334.05	4-T027-3	2-ATM	4-SYS-HK	3029.5	949.8	3 613.0	6 244.6	4425.6	3.69	1.18
335.25	4-OPEN	2-ATM	4-OPEN	3028.4	949.7	3 612.2	6 244.1	4424.3	3.69	1.18
335.79	2-EREPDP	2-ATM	4-OPEN	3027.9	949.7	3 611.8	6 244.1	4423.9	3.69	1.17
336.79	2-EREPDP	4-EREP	4-EREP	3027.0	949.7	3 611.2	6 244.1	4423.2	3.69	1.17
337.67	2-EREPDP	4-OPEN	4-OPEN	3026.2	949.7	3 610.6	6 244.1	4422.6	3.69	1.17
337.75	2-EREPDP	2-ATMSYM	4-EAT	3026.1	949.7	3 610.5	6 244.1	4422.6	3.69	1.17
337.87	4-EAT	2-ATMSYM	4-EAT	3026.0	949.6	3 610.4	6 244.1	4422.5	3.69	1.17
338.75	4-EAT	2-ATM	4-MO71	3025.2	949.6	3 609.8	6 244.1	4421.9	3.69	1.17
338.87	4-MO71	2-ATM	4-MO71	3025.1	949.6	3 609.8	6 244.1	4421.8	3.70	1.17
339.25	4-MO71	2-ATM	4-PH	3024.7	949.6	3 609.5	6 244.1	4421.6	3.70	1.17
339.37	4-PH	2-ATM	4-PH	3024.6	949.6	3 609.4	6 244.0	4421.4	3.69	1.17
339.38	4-PH	4-MO71	4-PH	3024.6	949.6	3 609.4	6 244.0	4421.4	3.69	1.17
339.75	4-PH	4-MO71	4-SYS-HK	3024.2	949.6	3 609.2	6 243.5	4420.7	3.70	1.17
339.87	2-ATM	4-MO71	4-SYS-HK	3024.1	949.6	3 609.1	6 243.4	4420.5	3.70	1.17
339.88	2-ATM	4-OPEN	4-SYS-HK	3024.1	949.6	3 609.1	6 243.4	4420.5	3.70	1.17
341.25	2-ATM	4-OPEN	4-OPEN	3022.9	949.5	3 608.1	6 242.8	4418.9	3.70	1.16
342.25	2-ATM	4-SYS-HK	4-OPEN	3021.9	949.5	3 607.5	6 242.8	4418.3	3.70	1.16
343.20	2-ATM	4-SYS-HK	4-T027ST	3021.1	949.5	3 606.8	6 242.4	4417.2	3.70	1.16
343.75	4-EAT	4-EAT	4-EAT	3020.6	949.4	3 606.5	6 242.1	4416.6	3.71	1.16
344.75	4-MO71	4-MO71	4-MO71	3019.6	949.4	3 605.8	6 242.1	4415.9	3.71	1.15
345.00	4-PLN	4-PLN	2-ATM	3019.4	949.4	3 605.6	6 242.1	4415.7	3.71	1.15
346.00	4-R-R	4-R-R	2-ATM	3018.5	949.4	3 604.9	6 242.1	4415.1	3.71	1.15
347.00	4-PH	4-PH	4-PH	3017.6	949.3	3 604.3	6 242.1	4414.4	3.71	1.15
347.50	4-MO71	4-MO71	4-MO71	3017.1	949.3	3 603.9	6 241.2	4413.1	3.71	1.15
347.75	4-SLEEP	4-SLEEP	4-SLEEP	3016.9	949.3	3 603.8	6 241.2	4412.9	3.71	1.15
355.75	4-PH	4-PH	4-PH	3009.6	949.0	3 598.4	6 241.2	4407.5	3.74	1.13
356.25	4-EAT	4-EAT	4-EAT	3009.1	949.0	3 598.0	6 240.2	4406.3	3.74	1.13
357.25	4-MO71	4-MO71	4-MO71	3008.2	949.0	3 597.3	6 240.2	4405.6	3.74	1.13
357.75	4-M487-3	4-M487-3	4-M487-3	3007.8	949.0	3 597.0	6 240.2	4405.3	3.74	1.13
358.25	2-ATM	4-SYS-HK	4-OPEN	3007.3	949.0	3 596.7	6 240.2	4404.9	3.74	1.13
359.63	2-ATM	4-M092-S	4-M092-0	3006.1	948.9	3 595.7	6 239.6	4403.4	3.75	1.12
360.75	2-ATM	4-M171-S	4-M171-0	3005.0	948.8	3 595.0	6 239.6	4402.6	3.74	1.12
361.75	4-EAT	4-EAT	2-ATMSYM	3004.1	948.7	3 594.3	6 239.6	4401.9	3.74	1.12
362.75	4-MO71	4-MO71	2-MO71	3003.2	948.6	3 593.6	6 239.6	4401.3	3.74	1.11
363.25	4-PH	4-PH	2-ATM	3002.7	948.6	3 593.3	6 239.6	4400.9	3.74	1.11
363.75	4-SYS-HK	4-SYS-HK	2-ATM	3002.2	948.6	3 593.0	6 239.0	4400.0	3.74	1.11
365.05	2-ATM	4-SYS-HK	2-ATM	3001.0	948.6	3 592.1	6 237.9	4397.9	3.75	1.11
365.13	2-ATM	4-SYS-HK	4-PH	3000.9	948.6	3 592.0	6 237.8	4397.8	3.75	1.11
365.63	2-ATM	4-M092-0	4-M092-S	3000.5	948.5	3 591.7	6 237.3	4397.0	3.75	1.11
366.75	2-ATM	4-M171-0	4-M171-S	2999.4	948.4	3 590.9	6 237.3	4396.2	3.74	1.10
367.75	4-EAT	4-EAT	4-EAT	2998.4	948.3	3 590.3	6 237.3	4395.5	3.74	1.10

TABLE 6.0 -III. - Continued.

TIME	ASTRO1	ASTRO 2	ASTRO 3	O2 TANK	N2 TANK	MET-EXP H2O TANK	WMC H2O TANK	TOTAL H2O TNKS	O2 PP	N2 PP
368.75	4-M071	4-M071	4-M071	2997.5	948.3	3 589.6	6 237.3	4394.9	3.74	1.10
369.00	2-ATM	4-PLN	4-PLN	2997.2	948.3	3 589.4	6 237.3	4394.7	3.74	1.10
370.00	2-ATM	4-R-R	4-R-R	2996.3	948.2	3 588.7	6 237.3	4394.0	3.75	1.10
371.00	4-PH	4-PH	4-PH	2995.3	948.2	3 588.1	6 237.3	4393.4	3.75	1.10
371.50	4-M071	4-M071	4-M071	2994.9	948.2	3 587.7	6 236.4	4392.1	3.75	1.10
371.75	4-SLEEP	4-SLEEP	4-SLEEP	2994.6	948.2	3 587.6	6 236.4	4391.9	3.75	1.10
379.75	4-PH	4-PH	4-PH	2987.1	947.9	3 582.2	6 236.4	4386.5	3.78	1.08
380.25	4-EAT	4-EAT	4-EAT	2986.6	947.9	3 581.8	6 235.4	4385.2	3.78	1.08
381.25	4-M071	4-M071	4-M071	2985.7	947.9	3 581.1	6 235.4	4384.6	3.78	1.08
381.75	4-SYS-HK	4-OPEN	2-ATM	2985.2	947.8	3 580.8	6 235.4	4384.2	3.78	1.07
384.00	2-EREPOP	4-H2OSAM	2-ATM	2983.2	947.8	3 579.3	6 234.4	4381.7	3.79	1.07
384.50	2-EREPOP	4-SYS-HK	2-ATM	2982.7	947.7	3 578.8	6 234.4	4381.3	3.79	1.07
385.00	2-EREPOP	4-EREP	4-EREP	2982.2	947.7	3 578.5	6 234.2	4380.7	3.79	1.07
385.88	2-EREPOP	4-EAT	4-EAT	2981.4	947.7	3 577.9	6 234.2	4380.1	3.79	1.07
386.08	2-ATMSYM	4-EAT	4-EAT	2981.2	947.7	3 577.8	6 234.2	4380.0	3.79	1.07
386.88	2-ATMSYM	4-M071	4-M071	2980.5	947.7	3 577.2	6 234.2	4379.4	3.80	1.06
387.08	2-ATM	4-M071	4-M071	2980.3	947.7	3 577.1	6 234.2	4379.3	3.80	1.06
387.38	2-ATM	4-PH	4-PH	2980.0	947.6	3 576.9	6 234.2	4379.1	3.80	1.06
387.58	4-M071	4-PH	4-PH	2979.8	947.6	3 576.8	6 233.9	4378.7	3.80	1.06
387.88	4-M071	2-ATM	4-SYS-HK	2979.6	947.6	3 576.5	6 233.6	4378.1	3.80	1.06
388.08	4-PH	2-ATM	4-SYS-HK	2979.4	947.6	3 576.4	6 233.5	4377.9	3.80	1.06
388.58	4-OPEN	2-ATM	4-SYS-HK	2979.0	947.5	3 576.1	6 233.0	4377.0	3.80	1.06
389.63	4-M092-S	2-ATM	4-M092-0	2979.0	946.5	3 575.4	6 232.5	4375.9	3.79	1.08
390.75	4-M171-S	2-ATM	4-M171-0	2979.0	945.3	3 574.6	6 232.5	4375.1	3.76	1.09
391.75	4-EAT	4-EAT	4-EAT	2979.0	944.3	3 573.9	6 232.5	4374.4	3.75	1.11
392.75	4-M071	4-M071	4-M071	2979.0	943.3	3 573.3	6 232.5	4373.7	3.74	1.12
393.00	4-PLN	2-ATM	4-PLN	2979.0	943.1	3 573.1	6 232.5	4373.6	3.73	1.12
394.00	4-R-R	2-ATM	4-R-R	2979.0	942.1	3 572.4	6 232.5	4372.9	3.72	1.14
395.00	4-PH	4-PH	4-PH	2979.0	941.1	3 571.7	6 232.5	4372.2	3.71	1.15
395.50	4-M071	4-M071	4-M071	2979.0	940.7	3 571.4	6 231.6	4371.0	3.70	1.16
395.75	4-SLEEP	4-SLEEP	4-SLEEP	2979.0	940.4	3 571.2	6 231.6	4370.8	3.70	1.16
403.75	4-PH	4-PH	4-PH	2979.0	933.0	3 565.8	6 231.6	4365.4	3.62	1.27
404.25	4-EAT	4-EAT	4-EAT	2979.0	932.5	3 565.5	6 230.6	4364.1	3.61	1.28
405.25	4-M071	4-M071	4-M071	2978.9	931.7	3 564.8	6 230.6	4363.4	3.60	1.29
405.75	4-SYS-HK	4-OFFDTY	4-OFFDTY	2978.5	931.7	3 564.5	6 230.6	4363.1	3.60	1.29
407.25	4-OFFDTY	4-OFFDTY	4-OFFDTY	2977.2	931.7	3 563.5	6 230.0	4361.4	3.60	1.28
409.75	4-EAT	4-EAT	4-EAT	2975.0	931.6	3 561.8	6 230.0	4359.7	3.61	1.28
410.75	4-M071	4-M071	4-M071	2974.1	931.6	3 561.1	6 230.0	4359.1	3.61	1.27
411.25	4-PH	4-PH	4-PH	2973.6	931.5	3 560.8	6 230.0	4358.7	3.61	1.27
411.75	4-OFFDTY	4-SYS-HK	4-OFFDTY	2973.2	931.5	3 560.4	6 229.0	4357.5	3.61	1.27
413.25	4-OFFDTY	4-OFFDTY	4-OFFDTY	2971.9	931.5	3 559.4	6 228.4	4355.8	3.61	1.27
414.25	4-OFFDTY	4-OFFDTY	4-SYS-HK	2971.0	931.4	3 558.7	6 228.4	4355.1	3.61	1.26
415.75	4-EAT	4-EAT	4-EAT	2969.7	931.4	3 557.7	6 227.7	4353.4	3.62	1.26
416.50	4-M487-4	4-M487-4	4-M487-4	2969.0	931.4	3 557.2	6 227.7	4352.9	3.62	1.26
416.75	4-M071	4-M071	4-M071	2968.8	931.3	3 557.1	6 227.7	4352.8	3.62	1.26
417.00	4-PLN	4-PLN	4-PLN	2968.6	931.3	3 556.9	6 227.7	4352.6	3.62	1.26
418.00	4-R-R	4-R-R	4-R-R	2967.7	931.3	3 556.2	6 227.7	4351.9	3.62	1.26
419.00	4-PH	4-PH	4-PH	2966.8	931.3	3 555.5	6 227.7	4351.2	3.62	1.25
419.50	4-M071	4-M071	4-M071	2966.3	931.2	3 555.2	6 226.8	4350.0	3.62	1.25
419.75	4-SLEEP	4-SLEEP	4-SLEEP	2966.1	931.2	3 555.0	6 226.8	4349.8	3.62	1.25

TABLE 6.0-III.- Continued.

TIME	ASTRO1	ASTRO 2	ASTRO 3	O2 TANK	N2 TANK	MET-EXP H2O TANK	WMC H2O TANK	TOTAL H2O TNKS	O2 PP	N2 PP
427.75	4-PH	4-PH	4-PH	2959.0	931.0	3 549.6	6 226.8	4344.4	3.65	1.23
428.25	4-EAT	4-EAT	4-EAT	2958.6	931.0	3 549.3	6 225.8	4343.1	3.65	1.23
429.25	4-M071	4-M071	4-M071	2957.7	930.9	3 548.6	6 225.8	4342.4	3.65	1.23
429.75	2-ATM	4-SYS-HK	4-OPEN	2957.2	930.9	3 548.3	6 225.8	4342.1	3.65	1.23
430.75	2-ATM	4-OPEN	4-SYS-HK	2956.4	930.9	3 547.6	6 225.4	4341.0	3.65	1.23
432.13	2-ATM	4-M092-S	4-M092-0	2955.1	930.8	3 546.7	6 224.8	4339.4	3.66	1.22
433.25	2-ATM	4-M093-S	4-M093-0	2954.1	930.7	3 545.9	6 224.8	4338.7	3.65	1.22
433.75	4-EAT	2-ATMSYM	4-EAT	2953.6	930.7	3 545.6	6 224.8	4338.4	3.65	1.22
434.75	4-M071	2-ATM	4-M071	2952.7	930.6	3 544.9	6 224.8	4337.7	3.65	1.21
435.25	4-PH	2-ATM	4-PH	2952.3	930.6	3 544.6	6 224.8	4337.3	3.65	1.21
435.75	4-SYS-HK	4-M071	2-ATM	2951.8	930.6	3 544.2	6 224.1	4336.4	3.65	1.21
436.25	4-SYS-HK	4-PH	2-ATM	2951.3	930.6	3 543.9	6 223.9	4335.8	3.65	1.21
436.75	4-SYS-HK	4-OPEN	2-ATM	2950.9	930.6	3 543.6	6 223.4	4334.9	3.65	1.21
438.05	2-ATM	4-OPEN	2-ATM	2949.7	930.5	3 542.7	6 222.8	4333.5	3.65	1.21
438.13	2-ATM	4-M092-0	4-M092-S	2949.6	930.5	3 542.6	6 222.8	4333.4	3.66	1.21
439.25	2-ATM	4-M093-0	4-M093-S	2948.5	930.4	3 541.9	6 222.8	4332.7	3.64	1.20
439.75	4-EAT	4-EAT	4-EAT	2948.1	930.4	3 541.5	6 222.8	4332.3	3.65	1.20
440.75	4-M071	4-M071	4-M071	2947.1	930.3	3 540.9	6 222.8	4331.7	3.65	1.20
441.00	4-PLN	4-PLN	2-ATM	2946.9	930.3	3 540.7	6 222.8	4331.5	3.65	1.20
442.00	4-R-R	4-R-R	2-ATM	2945.9	930.3	3 540.0	6 222.8	4330.8	3.65	1.20
443.00	4-PH	4-PH	4-PH	2945.0	930.3	3 539.3	6 222.8	4330.2	3.66	1.19
443.50	4-M071	4-M071	4-M071	2944.5	930.3	3 539.0	6 221.9	4328.9	3.66	1.19
443.75	4-SLEEP	4-SLEEP	4-SLEEP	2944.3	930.2	3 538.8	6 221.9	4328.7	3.66	1.19
451.75	4-PH	4-PH	4-PH	2936.8	930.0	3 533.4	6 221.9	4323.3	3.69	1.17
452.25	4-EAT	4-EAT	4-EAT	2936.3	930.0	3 533.1	6 220.9	4322.0	3.69	1.17
453.25	4-M071	4-M071	4-M071	2935.4	929.9	3 532.4	6 220.9	4321.4	3.69	1.17
453.75	4-OPEN	4-OPEN	2-ATM	2934.9	929.9	3 532.1	6 220.9	4321.0	3.69	1.17
454.38	4-M487-S	4-M487-S	4-M487-S	2934.3	929.9	3 531.7	6 220.9	4320.6	3.69	1.17
454.75	4-OPEN	4-OPEN	4-SYS-HK	2934.0	929.9	3 531.4	6 220.9	4320.4	3.69	1.17
455.42	2-EREPDP	4-OPEN	4-SYS-HK	2933.4	929.9	3 531.0	6 220.6	4319.6	3.70	1.17
455.75	2-EREPDP	4-SYS-HK	4-OPEN	2933.1	929.8	3 530.7	6 220.5	4319.2	3.70	1.16
456.42	2-EREPDP	4-EREP	4-EREP	2932.5	929.8	3 530.3	6 220.2	4318.6	3.70	1.16
457.30	2-EREPDP	4-SYS-HK	2-ATM	2931.6	929.8	3 529.7	6 220.2	4317.9	3.70	1.16
457.50	4-OPEN	4-SYS-HK	2-ATM	2931.5	929.8	3 529.6	6 220.1	4317.7	3.70	1.16
457.75	4-EAT	4-EAT	2-ATMSYM	2931.2	929.8	3 529.4	6 220.0	4317.4	3.70	1.16
458.75	4-M071	4-M071	2-ATM	2930.3	929.7	3 528.7	6 220.0	4316.7	3.70	1.16
459.05	4-M071	4-M071	2-M071	2930.0	929.7	3 528.5	6 220.0	4316.5	3.70	1.16
459.25	4-PH	4-PH	2-M071	2929.8	929.7	3 528.4	6 220.0	4316.4	3.71	1.16
459.55	4-PH	4-PH	2-ATM	2929.6	929.7	3 528.2	6 219.6	4315.8	3.71	1.16
459.75	4-SYS-HK	4-OPEN	2-ATM	2929.4	929.7	3 528.0	6 219.4	4315.4	3.71	1.16
460.63	4-SYS-HK	2-ATM	4-PH	2928.6	929.7	3 527.4	6 219.0	4314.4	3.71	1.15
461.13	4-SYS-HK	2-ATM	4-OPEN	2928.1	929.7	3 527.1	6 218.5	4313.6	3.71	1.15
462.13	4-M092-S	2-ATM	4-M092-0	2927.2	929.6	3 526.4	6 218.0	4312.4	3.71	1.15
463.25	4-M093-S	2-ATM	4-M093-0	2926.1	929.5	3 525.7	6 218.0	4311.7	3.70	1.15
463.75	4-EAT	4-EAT	4-EAT	2925.6	929.5	3 525.3	6 218.0	4311.3	3.70	1.14
464.75	4-M071	4-M071	4-M071	2924.7	929.4	3 524.7	6 218.0	4310.7	3.70	1.14
465.00	2-ATM	4-PLN	4-PLN	2924.4	929.4	3 524.5	6 218.0	4310.5	3.71	1.14
466.00	2-ATM	4-R-R	4-R-R	2923.5	929.4	3 523.8	6 218.0	4309.8	3.71	1.14
467.00	4-PH	4-PH	4-PH	2922.5	929.4	3 523.1	6 218.0	4309.2	3.71	1.14
467.50	4-M071	4-M071	4-M071	2922.1	929.3	3 522.8	6 217.1	4307.9	3.71	1.14

TABLE 6.0 -III.- Continued.

TIME	ASTRO1	ASTRO 2	ASTRO 3	O2 TANK	N2 TANK	MET-EXP H2O TANK	WMC H2O TANK	TOTAL H2O TNKS	O2 PP	N2 PP
467.75	4-SLEEP	4-SLEEP	4-SLEEP	2921.8	929.3	3 522.6	6 217.1	4307.7	3.71	1.14
475.75	4-PH	4-PH	4-PH	2914.3	929.1	3 517.2	6 217.1	4302.3	3.74	1.12
476.25	4-EAT	4-EAT	4-EAT	2913.9	929.1	3 516.9	6 216.1	4301.0	3.74	1.12
477.25	4-M071	4-M071	4-M071	2913.0	929.0	3 516.2	6 216.1	4300.4	3.74	1.12
477.75	4-SYS-HK	4-OPEN	2-ATM	2912.5	929.0	3 515.9	6 216.1	4300.0	3.75	1.11
478.75	2-EREPDP	4-OPEN	2-ATM	2911.6	929.0	3 515.2	6 215.7	4298.9	3.75	1.11
479.75	2-EREPDP	4-EREP	4-EREP	2910.6	928.9	3 514.5	6 215.7	4298.2	3.75	1.11
480.63	2-EREPDP	4-SYS-HK	4-OPEN	2909.8	928.9	3 513.9	6 215.7	4297.6	3.75	1.11
480.83	2-ATM	4-SYS-HK	4-OPEN	2909.7	928.9	3 513.8	6 215.6	4297.4	3.75	1.11
481.75	2-ATMSYM	4-EAT	4-EAT	2908.8	928.9	3 513.2	6 215.2	4296.4	3.76	1.11
482.75	2-M071	4-M071	4-M071	2907.9	928.8	3 512.5	6 215.2	4295.7	3.76	1.10
483.25	2-ATM	4-PH	4-PH	2907.4	928.8	3 512.2	6 215.2	4295.4	3.76	1.10
483.75	2-ATM	4-SYS-HK	4-OPEN	2907.0	928.8	3 511.8	6 214.6	4294.4	3.76	1.10
484.75	2-ATM	4-OPEN	4-OPEN	2906.0	928.8	3 511.2	6 214.1	4293.3	3.76	1.10
486.25	2-ATM	4-OPEN	4-SYS-HK	2904.7	928.7	3 510.2	6 214.1	4292.3	3.77	1.10
487.25	4-PH	4-OPEN	4-SYS-HK	2903.8	928.7	3 509.5	6 213.7	4291.2	3.77	1.09
487.75	4-EAT	4-EAT	4-EAT	2903.3	928.7	3 509.1	6 213.2	4290.3	3.77	1.09
488.75	4-M071	4-M071	4-M071	2902.4	928.6	3 508.5	6 213.2	4289.6	3.77	1.09
489.00	4-PLN	2-ATM	4-PLN	2902.1	928.6	3 508.3	6 213.2	4289.5	3.77	1.09
490.00	4-R-R	2-ATM	4-R-R	2901.2	928.6	3 507.6	6 213.2	4288.8	3.78	1.09
491.00	4-PH	4-PH	4-PH	2900.3	928.6	3 506.9	6 213.2	4288.1	3.78	1.09
491.50	4-M071	4-M071	4-M071	2899.9	928.5	3 506.6	6 212.2	4286.8	3.78	1.09
491.75	4-SLEEP	4-SLEEP	4-SLEEP	2899.6	928.5	3 506.4	6 212.2	4286.7	3.78	1.09
499.75	4-PH	4-PH	4-PH	2893.1	927.6	3 501.0	6 212.2	4281.3	3.79	1.08
500.00	4-M487-6	4-M487-6	4-M487-6	2893.1	927.3	3 500.9	6 211.8	4280.6	3.79	1.09
500.25	4-EAT	4-EAT	4-EAT	2893.1	927.1	3 500.7	6 211.8	4280.5	3.79	1.09
501.25	4-M071	4-M071	4-M071	2893.1	926.2	3 500.0	6 211.8	4279.8	3.77	1.10
501.75	2-ATM	4-SYS-HK	4-OPEN	2893.1	925.7	3 499.7	6 211.8	4279.4	3.77	1.11
503.63	2-ATM	4-M092-S	4-M092-O	2893.1	924.1	3 498.4	6 210.9	4277.3	3.75	1.13
504.75	2-ATM	4-M171-S	4-M171-O	2893.1	922.8	3 497.7	6 210.9	4276.6	3.72	1.15
505.75	4-EAT	2-ATMSYM	4-EAT	2893.1	921.8	3 497.0	6 210.9	4275.9	3.71	1.16
506.75	4-M071	2-ATM	4-M071	2893.1	920.9	3 496.3	6 210.9	4275.2	3.69	1.18
507.25	4-PH	2-M071	4-PH	2893.1	920.4	3 496.0	6 210.9	4274.9	3.69	1.18
507.75	4-SYS-HK	2-ATM	4-OPEN	2893.1	919.9	3 495.6	6 210.3	4273.9	3.68	1.19
508.25	4-SYS-HK	2-ATM	4-SYS-HK	2893.1	919.4	3 495.3	6 210.1	4273.4	3.68	1.20
509.13	2-ATM	4-PH	4-SYS-HK	2893.1	918.6	3 494.7	6 209.3	4272.0	3.67	1.21
509.63	2-ATM	4-M092-O	4-M092-S	2893.1	918.2	3 494.4	6 208.8	4271.1	3.66	1.21
510.75	2-ATM	4-M171-O	4-M171-S	2893.1	917.0	3 493.6	6 208.8	4270.4	3.63	1.23
511.75	4-EAT	4-EAT	4-EAT	2893.1	916.0	3 492.9	6 208.8	4269.7	3.62	1.24
512.75	4-M071	4-M071	4-M071	2893.1	915.0	3 492.3	6 208.8	4269.0	3.61	1.26
513.00	4-PLN	4-PLN	2-ATM	2893.1	914.8	3 492.1	6 208.8	4268.9	3.61	1.26
514.00	4-R-R	4-R-R	2-ATM	2892.9	914.0	3 491.4	6 208.8	4268.2	3.60	1.27
515.00	4-PH	4-PH	4-PH	2892.0	914.0	3 490.7	6 208.8	4267.5	3.60	1.27
515.25	4-M487-6	4-M487-6	4-M487-6	2891.8	914.0	3 490.6	6 208.3	4266.9	3.60	1.27
515.50	4-M071	4-M071	4-M071	2891.5	914.0	3 490.4	6 208.3	4266.7	3.60	1.27
515.75	4-SLEEP	4-SLEEP	4-SLEEP	2891.3	914.0	3 490.2	6 208.3	4266.5	3.60	1.26
523.75	4-PH	4-PH	4-PH	2884.1	913.7	3 484.8	6 208.3	4261.1	3.63	1.25
524.25	4-EAT	4-EAT	4-EAT	2883.6	913.7	3 484.5	6 207.4	4259.9	3.63	1.24
525.25	4-M071	4-M071	4-M071	2882.7	913.7	3 483.8	6 207.4	4259.2	3.63	1.24
525.75	4-OPEN	4-SYS-HK	2-ATM	2882.3	913.6	3 483.5	6 207.4	4258.8	3.63	1.24

TABLE 6.0-III.- Continued.

TIME	ASTRO1	ASTRO 2	ASTRO 3	O2 TANK	N2 TANK	MET-EXP H2O TANK	WMC H2O TANK	TOTAL H2O TNKS	O2 PP	N2 PP
526.75	2-OPEN	4-SYS-HK	2-ATM	2881.4	913.6	3 482.8	6 206.9	4257.7	3.63	1.24
526.87	2-EREPDP	4-SYS-HK	2-ATM	2881.3	913.6	3 482.7	6 206.9	4257.6	3.64	1.24
527.87	2-EREPDP	4-EREP	2-EREP	2880.4	913.6	3 482.1	6 206.4	4256.5	3.64	1.24
528.75	2-EREPDP	4-SYS-HK	2-ATM	2879.6	913.5	3 481.5	6 206.4	4255.9	3.64	1.23
528.95	4-OPEN	4-SYS-HK	2-ATM	2879.4	913.5	3 481.3	6 206.3	4255.7	3.64	1.23
529.75	4-EAT	4-EAT	2-ATMSYM	2878.7	913.5	3 480.8	6 206.0	4254.8	3.64	1.23
530.75	4-M071	4-M071	2-M071	2877.8	913.5	3 480.1	6 206.0	4254.1	3.64	1.23
531.25	4-PH	4-PH	2-ATM	2877.3	913.5	3 479.8	6 206.0	4253.8	3.64	1.23
531.75	4-TOO3-2	4-SYS-HK	2-ATM	2876.9	913.4	3 479.4	6 205.4	4252.8	3.64	1.23
532.08	4-OPEN	4-SYS-HK	2-ATM	2876.6	913.4	3 479.2	6 205.2	4252.4	3.65	1.23
532.13	4-OPEN	2-ATM	4-PH	2876.6	913.4	3 479.2	6 205.2	4252.4	3.64	1.23
532.63	4-OPEN	2-ATM	4-SYS-HK	2876.1	913.4	3 478.8	6 204.9	4251.7	3.65	1.22
533.63	4-M092-S	2-ATM	4-M092-0	2875.2	913.4	3 478.2	6 204.4	4250.6	3.65	1.22
534.75	4-M171-S	2-ATM	4-M171-0	2874.2	913.2	3 477.4	6 204.4	4249.8	3.64	1.22
535.75	4-EAT	4-EAT	4-EAT	2873.2	913.1	3 476.7	6 204.4	4249.2	3.64	1.22
536.50	4-EAT	4-EAT	4-TOO3-3	2872.5	913.1	3 476.2	6 204.4	4248.7	3.64	1.21
536.75	4-M071	4-M071	4-M071	2872.3	913.1	3 476.1	6 204.4	4248.5	3.64	1.21
537.00	2-ATM	4-PLN	4-PLN	2872.1	913.1	3 475.9	6 204.4	4248.3	3.64	1.21
538.00	2-ATM	4-R-R	4-R-R	2871.1	913.1	3 475.2	6 204.4	4247.6	3.65	1.21
539.00	4-PH	4-PH	4-PH	2870.2	913.0	3 474.5	6 204.4	4247.0	3.65	1.21
539.50	4-M071	4-M071	4-M071	2869.7	913.0	3 474.2	6 203.5	4245.7	3.65	1.21
539.75	4-SLEEP	4-SLEEP	4-SLEEP	2869.5	913.0	3 474.0	6 203.5	4245.5	3.65	1.21
547.75	4-PH	4-PH	4-PH	2862.1	912.7	3 468.6	6 203.5	4240.1	3.68	1.19
548.25	4-EAT	4-EAT	4-EAT	2861.7	912.7	3 468.3	6 202.6	4238.9	3.68	1.19
549.25	4-M071	4-M071	4-M071	2860.7	912.7	3 467.6	6 202.6	4238.2	3.68	1.19
549.75	4-M487-7	4-M487-7	4-M487-7	2860.3	912.7	3 467.3	6 202.6	4237.9	3.68	1.18
550.08	4-SYS-HK	4-OFFDTY	4-OFFDTY	2860.0	912.7	3 467.1	6 202.6	4237.6	3.68	1.18
551.58	4-OFFDTY	4-OFFDTY	4-OFFDTY	2858.6	912.6	3 466.1	6 201.9	4235.9	3.68	1.18
553.75	4-EAT	4-EAT	4-EAT	2856.6	912.5	3 464.6	6 201.9	4234.5	3.69	1.18
554.75	4-M071	4-M071	4-M071	2855.7	912.5	3 463.9	6 201.9	4233.8	3.69	1.17
555.25	4-PH	4-PH	4-PH	2855.2	912.5	3 463.6	6 201.9	4233.5	3.69	1.17
555.75	4-OFFDTY	4-SYS-HK	4-OFFDTY	2854.8	912.5	3 463.2	6 201.0	4232.2	3.69	1.17
557.25	4-OFFDTY	4-OFFDTY	4-OFFDTY	2853.4	912.4	3 462.2	6 200.3	4230.5	3.70	1.17
558.25	4-OFFDTY	4-OFFDTY	4-SYS-HK	2852.5	912.4	3 461.6	6 200.3	4229.8	3.70	1.17
559.75	4-EAT	4-EAT	4-EAT	2851.1	912.3	3 460.5	6 199.6	4228.2	3.70	1.16
560.75	4-M071	4-M071	4-M071	2850.2	912.3	3 459.9	6 199.6	4227.5	3.70	1.16
561.00	4-PLN	4-PLN	4-PLN	2850.0	912.3	3 459.7	6 199.6	4227.3	3.70	1.16
562.00	4-R-R	4-R-R	4-R-R	2849.1	912.3	3 459.0	6 199.6	4226.6	3.71	1.16
563.00	4-PH	4-PH	4-PH	2848.1	912.2	3 458.3	6 199.6	4226.0	3.71	1.16
563.50	4-M071	4-M071	4-M071	2847.7	912.2	3 458.0	6 198.7	4224.7	3.71	1.15
563.75	4-SLEEP	4-SLEEP	4-SLEEP	2847.4	912.2	3 457.8	6 198.7	4224.5	3.71	1.15
571.75	4-PH	4-PH	4-PH	2840.2	911.9	3 452.4	6 198.7	4219.1	3.74	1.14
572.25	4-EAT	4-EAT	4-EAT	2839.7	911.9	3 452.1	6 197.8	4217.9	3.74	1.14
573.25	4-M071	4-M071	4-M071	2838.8	911.9	3 451.4	6 197.8	4217.2	3.74	1.13
574.75	4-OPEN	4-SYS-HK	2-ATM	2837.5	911.8	3 450.4	6 197.8	4216.2	3.74	1.13
576.13	2-ATM	4-M092-S	4-M092-0	2836.2	911.8	3 449.5	6 197.1	4214.6	3.74	1.13
577.25	2-ATM	4-M093-S	4-M093-0	2835.2	911.6	3 448.7	6 197.1	4213.9	3.73	1.12
577.75	2-ATMSYM	4-EAT	4-EAT	2834.7	911.6	3 448.4	6 197.1	4213.5	3.73	1.12
578.75	2-M071	4-M071	4-M071	2833.8	911.6	3 447.7	6 197.1	4212.9	3.74	1.12
579.25	2-ATM	4-PH	4-PH	2833.3	911.6	3 447.4	6 197.1	4212.5	3.74	1.12

TABLE 6.0 - III. - Continued.

TIME	ASTRO1	ASTRO 2	ASTRO 3	O2 TANK	N2 TANK	MET-EXP H2O TANK	WMC H2O TANK	TOTAL H2O TNKS	O2 PP	N2 PP
579.75	2-ATM	4-SYS-HK	4-OPEN	2832.9	911.6	3 447.0	6 196.5	4211.6	3.74	1.12
580.30	4-PH	2-ATM	4-OPEN	2832.3	911.5	3 446.7	6 196.3	4211.0	3.74	1.12
580.80	4-SYS-HK	2-ATM	4-OPEN	2831.9	911.5	3 446.3	6 196.0	4210.3	3.74	1.11
582.13	2-ATM	4-M092-O	4-M092-S	2830.6	911.5	3 445.4	6 195.4	4208.8	3.74	1.11
583.25	2-ATM	4-M093-O	4-M093-S	2829.6	911.3	3 444.7	6 195.4	4208.1	3.73	1.11
583.75	4-EAT	4-EAT	4-EAT	2829.1	911.3	3 444.3	6 195.4	4207.7	3.74	1.11
584.75	4-M071	4-M071	4-M071	2828.1	911.3	3 443.7	6 195.4	4207.0	3.74	1.10
585.00	4-PLN	2-ATM	4-PLN	2827.9	911.3	3 443.5	6 195.4	4206.9	3.74	1.10
586.00	4-R-R	2-ATM	4-R-R	2826.9	911.3	3 442.8	6 195.4	4206.2	3.74	1.10
587.00	4-PH	4-PH	4-PH	2826.0	911.2	3 442.1	6 195.4	4205.5	3.75	1.10
587.50	4-M071	4-M071	4-M071	2825.5	911.2	3 441.8	6 194.4	4204.3	3.75	1.10
587.75	4-SLEEP	4-SLEEP	4-SLEEP	2825.2	911.2	3 441.6	6 194.4	4204.1	3.75	1.10
595.75	4-PH	4-PH	4-PH	2817.7	910.9	3 436.2	6 194.4	4198.7	3.78	1.08
596.25	4-EAT	4-EAT	4-EAT	2817.2	910.9	3 435.9	6 193.5	4197.4	3.78	1.08
597.25	4-M071	4-M071	4-M071	2816.3	910.9	3 435.2	6 193.5	4196.7	3.78	1.08
597.75	4-M487-8	4-M487-8	4-M487-8	2815.8	910.9	3 434.9	6 193.5	4196.4	3.78	1.08
597.92	2-ATM	4-SYS-HK	4-OPEN	2815.7	910.9	3 434.8	6 193.5	4196.3	3.78	1.08
598.92	2-ATM	4-OPEN	4-OPEN	2814.7	910.8	3 434.1	6 193.1	4195.2	3.78	1.07
600.50	2-ATM	4-OPEN	4-SYS-HK	2813.3	910.8	3 433.0	6 193.1	4194.1	3.79	1.07
601.75	4-EAT	2-ATMSYM	4-EAT	2812.1	910.7	3 432.2	6 192.5	4192.7	3.79	1.07
602.75	4-M071	2-ATM	4-M071	2811.2	910.7	3 431.5	6 192.5	4192.0	3.79	1.07
603.25	4-PH	2-ATM	4-PH	2810.7	910.7	3 431.2	6 192.5	4191.7	3.79	1.07
603.63	4-PH	4-M071	4-PH	2810.7	910.7	3 430.9	6 192.0	4191.0	3.80	1.07
603.75	4-SYS-HK	4-M071	2-ATM	2810.3	910.7	3 430.8	6 191.9	4190.7	3.80	1.07
604.13	4-SYS-HK	4-PH	2-ATM	2809.9	910.6	3 430.6	6 191.7	4190.3	3.80	1.06
604.63	4-SYS-HK	4-OPEN	2-ATM	2809.5	910.6	3 430.2	6 191.2	4189.4	3.80	1.06
606.00	4-SYS-HK	2-ATM	2-ATM	2808.4	910.3	3 429.3	6 190.6	4187.9	3.80	1.06
606.13	4-M092-S	2-ATM	4-M092-O	2808.4	910.2	3 429.2	6 190.5	4187.8	3.80	1.07
607.25	4-M093-S	2-ATM	4-M093-O	2808.4	909.0	3 428.5	6 190.5	4187.0	3.77	1.08
607.75	4-EAT	4-EAT	4-EAT	2808.4	908.5	3 428.1	6 190.5	4186.7	3.76	1.09
608.75	4-M071	4-M071	4-M071	2808.4	907.6	3 427.5	6 190.5	4186.0	3.75	1.10
609.00	4-PLN	4-PLN	2-ATM	2808.4	907.3	3 427.3	6 190.5	4185.8	3.75	1.11
610.00	4-R-R	4-R-R	2-ATM	2808.4	906.3	3 426.6	6 190.5	4185.1	3.74	1.12
611.00	4-PH	4-PH	4-PH	2808.4	905.4	3 425.9	6 190.5	4184.5	3.72	1.13
611.50	4-M071	4-M071	4-M071	2808.4	904.9	3 425.6	6 189.6	4183.2	3.72	1.14
611.75	4-SLEEP	4-SLEEP	4-SLEEP	2808.4	904.7	3 425.4	6 189.6	4183.0	3.72	1.14
619.75	4-PH	4-PH	4-PH	2808.4	897.2	3 420.0	6 189.6	4177.6	3.63	1.25
620.25	4-EAT	4-EAT	4-EAT	2808.4	896.7	3 419.7	6 188.7	4176.4	3.62	1.26
621.25	4-M071	4-M071	4-M071	2808.4	895.8	3 419.0	6 188.7	4175.7	3.61	1.26
621.75	4-SYS-HK	2-ATM	4-OPEN	2808.4	895.4	3 418.7	6 188.7	4175.3	3.61	1.27
623.25	4-OPEN	2-ATM	4-OPEN	2807.7	894.7	3 417.7	6 188.0	4173.7	3.60	1.28
625.75	4-EAT	4-EAT	2-ATMSYM	2805.5	894.6	3 416.0	6 188.0	4172.0	3.61	1.28
626.25	4-M071	4-M071	2-M071	2804.7	894.6	3 415.3	6 188.0	4171.3	3.61	1.28
627.25	4-PH	4-PH	2-ATM	2804.2	894.6	3 415.0	6 188.0	4171.0	3.61	1.28
627.75	4-OPEN	4-SYS-HK	2-ATM	2803.8	894.6	3 414.6	6 187.4	4170.0	3.61	1.27
629.50	4-OPEN	4-OPEN	2-ATM	2802.3	894.5	3 413.5	6 186.6	4168.0	3.61	1.27
630.05	2-ATM	4-OPEN	4-PH	2801.8	894.5	3 413.1	6 186.6	4167.7	3.61	1.27
630.55	2-ATM	4-OPEN	4-SYS-HK	2801.3	894.5	3 412.8	6 186.3	4167.0	3.61	1.27
631.75	4-EAT	4-EAT	4-EAT	2800.3	894.4	3 411.9	6 185.7	4165.7	3.62	1.26
632.75	4-M071	4-M071	4-M071	2799.4	894.4	3 411.3	6 185.7	4165.0	3.62	1.26

TABLE 6.0 -Ⅲ.- Continued.

TIME	ASTRO1	ASTRO 2	ASTRO 3	O2 TANK	N2 TANK	MET-EXP H2O TANK	WMC H2O TANK	TOTAL H2O TNKS	O2 PP	N2 PP
633.00	2-ATM	4-PLN	4-PLN	2799.2	894.4	3 411.1	6 185.7	4164.8	3.62	1.26
634.00	2-ATM	4-R-R	4-R-R	2798.3	894.3	3 410.4	6 185.7	4164.2	3.62	1.26
635.00	4-PH	4-PH	4-PH	2797.4	894.3	3 409.7	6 185.7	4163.5	3.62	1.26
635.50	4-M071	4-M071	4-M071	2797.0	894.3	3 409.4	6 184.8	4162.2	3.62	1.26
635.75	4-SLEEP	4-SLEEP	4-SLEEP	2796.7	894.3	3 409.2	6 184.8	4162.1	3.62	1.25
643.75	4-PH	4-PH	4-PH	2789.7	894.0	3 403.8	6 184.8	4156.7	3.65	1.24
644.25	4-EAT	4-EAT	4-EAT	2789.3	894.0	3 403.5	6 183.9	4155.4	3.65	1.23
645.25	4-M071	4-M071	4-M071	2788.4	894.0	3 402.8	6 183.9	4154.7	3.65	1.23
645.75	2-ATM	4-MOL-S	4-SYS-HK	2787.9	894.0	3 402.5	6 183.9	4154.4	3.65	1.23
647.63	2-ATM	4-M092-S	4-M092-O	2786.3	893.9	3 401.2	6 183.0	4152.3	3.65	1.23
648.75	2-ATM	4-M171-S	4-M171-O	2785.3	893.8	3 400.5	6 183.0	4151.5	3.64	1.22
649.75	2-ATMSYM	4-EAT	4-EAT	2784.3	893.7	3 399.8	6 183.0	4150.8	3.64	1.22
650.75	2-M071	4-M071	4-M071	2783.4	893.6	3 399.1	6 183.0	4150.2	3.65	1.22
651.25	2-ATM	4-PH	4-PH	2783.0	893.6	3 398.8	6 183.0	4149.8	3.65	1.22
651.75	2-ATM	4-SYS-HK	2-ATM	2782.5	893.6	3 398.4	6 182.4	4148.9	3.65	1.22
651.83	4-PH	4-SYS-HK	2-ATM	2782.4	893.6	3 398.4	6 182.4	4148.8	3.65	1.22
652.33	4-SYS-HK	4-SYS-HK	2-ATM	2782.0	893.6	3 398.1	6 181.9	4147.9	3.65	1.21
653.63	2-ATM	4-M092-O	4-M092-S	2780.8	893.5	3 397.2	6 180.7	4145.9	3.65	1.21
654.75	2-ATM	4-M171-O	4-M171-S	2779.7	893.4	3 396.4	6 180.7	4145.1	3.64	1.21
655.75	4-EAT	4-EAT	4-EAT	2778.8	893.3	3 395.7	6 180.7	4144.4	3.65	1.21
656.75	4-M071	4-M071	4-M071	2777.8	893.3	3 395.1	6 180.7	4143.8	3.65	1.20
657.00	4-PLN	2-ATM	4-PLN	2777.6	893.2	3 394.9	6 180.7	4143.6	3.65	1.20
658.00	4-R-R	4-R-R	4-PLN	2776.7	893.2	3 394.2	6 180.7	4142.9	3.65	1.20
658.75	4-M487-9	4-M487-9	4-M487-9	2776.0	893.2	3 393.7	6 180.7	4142.4	3.65	1.20
659.00	4-PH	4-PH	4-PH	2775.7	893.2	3 393.5	6 180.7	4142.2	3.65	1.20
659.50	4-M071	4-M071	4-M071	2775.3	893.2	3 393.2	6 179.8	4141.0	3.66	1.20
659.75	4-SLEEP	4-SLEEP	4-SLEEP	2775.0	893.1	3 393.0	6 179.8	4140.8	3.66	1.20
667.75	4-PH	4-PH	4-PH	2767.6	892.9	3 387.6	6 179.8	4135.4	3.68	1.18
668.25	4-EAT	4-EAT	4-EAT	2767.1	892.9	3 387.3	6 178.8	4134.1	3.69	1.18
669.25	4-M071	4-M071	4-M071	2766.2	892.8	3 386.6	6 178.8	4133.5	3.69	1.18
669.75	2-ATM	4-SYS-HK	4-M074	2765.7	892.8	3 386.3	6 178.8	4133.1	3.69	1.17
670.25	2-ATM	4-SYS-HK	4-M172	2765.3	892.8	3 386.0	6 178.6	4132.6	3.69	1.17
670.50	2-ATM	4-SYS-HK	4-OPEN	2765.1	892.8	3 385.8	6 178.5	4132.3	3.69	1.17
671.25	2-ATM	4-OPEN	4-OPEN	2764.4	892.8	3 385.3	6 178.2	4131.4	3.69	1.17
672.75	2-ATM	4-OPEN	4-SYS-HK	2763.0	892.7	3 384.3	6 178.2	4130.4	3.70	1.17
673.75	4-EAT	2-ATMSYM	4-EAT	2762.1	892.7	3 383.6	6 177.7	4129.3	3.70	1.17
674.75	4-M071	2-ATM	4-M071	2761.2	892.6	3 382.9	6 177.7	4128.6	3.70	1.16
675.13	4-M071	2-ATM	4-M071	2760.8	892.6	3 382.7	6 177.7	4128.4	3.70	1.16
675.25	4-PH	2-M071	2-ATM	2760.7	892.6	3 382.6	6 177.7	4128.3	3.70	1.16
675.63	4-PH	4-PH	2-ATM	2760.4	892.6	3 382.3	6 177.5	4127.8	3.70	1.16
675.75	4-SYS-HK	4-PH	2-ATM	2760.2	892.6	3 382.2	6 177.3	4127.6	3.70	1.16
676.13	4-SYS-HK	4-OPEN	2-ATM	2759.9	892.6	3 382.0	6 176.9	4126.9	3.71	1.16
676.70	4-SYS-HK	2-ATM	4-PH	2759.4	892.6	3 381.6	6 176.7	4126.3	3.71	1.16
677.20	4-SYS-HK	2-ATM	4-OPEN	2758.9	892.6	3 381.3	6 176.1	4125.4	3.71	1.16
677.63	4-M092-S	2-ATM	4-M092-O	2758.5	892.5	3 381.0	6 175.9	4124.9	3.71	1.16
678.75	4-M171-S	2-ATM	4-M171-O	2757.5	892.4	3 380.2	6 175.9	4124.2	3.70	1.15
679.75	4-EAT	4-EAT	4-EAT	2756.5	892.3	3 379.5	6 175.9	4123.5	3.70	1.15
680.75	4-M071	4-M071	4-M071	2755.6	892.3	3 378.9	6 175.9	4122.8	3.70	1.15
681.00	4-PLN	4-PLN	2-ATM	2755.3	892.3	3 378.7	6 175.9	4122.6	3.70	1.15
682.00	4-R-R	4-R-R	2-ATM	2754.4	892.2	3 378.0	6 175.9	4122.0	3.71	1.15

TABLE 6.0 - Ⅲ. - Continued.

TIME	ASTRO1	ASTRO 2	ASTRO 3	O2 TANK	N2 TANK	MET-EXP H2O TANK	WMC H2O TANK	TOTAL H2O TNKS	O2 PP	N2 PP
683.00	4-PH	4-PH	4-PH	2753.5	892.2	3 377.3	6 175.9	4121.3	3.71	1.14
683.50	4-M071	4-M071	4-M071	2753.0	892.2	3 377.0	6 175.0	4120.0	3.71	1.14
683.75	4-SLEEP	4-SLEEP	4-SLEEP	2752.8	892.2	3 376.8	6 175.0	4119.9	3.71	1.14
691.75	4-PH	4-PH	4-PH	2745.3	891.9	3 371.4	6 175.0	4114.5	3.74	1.12
692.25	4-EAT	4-EAT	4-EAT	2744.9	891.9	3 371.1	6 174.1	4113.2	3.74	1.12
692.75	4-EAT	4-EAT	4-H2OSAM	2744.4	891.9	3 370.8	6 174.1	4112.9	3.74	1.12
693.25	4-M071	4-M071	4-M071	2743.9	891.9	3 370.3	6 174.1	4112.4	3.74	1.12
693.75	4-M487-1	4-M487-1	4-M487-1	2743.5	891.8	3 370.0	6 174.1	4112.1	3.74	1.12
693.85	4-SYS-HK	4-OFFDTY	4-OFFDTY	2743.4	891.8	3 369.9	6 174.1	4112.0	3.74	1.12
695.33	4-OFFDTY	4-OFFDTY	4-OFFDTY	2742.0	891.8	3 368.9	6 173.4	4110.3	3.75	1.12
697.75	4-EAT	4-EAT	4-EAT	2739.8	891.7	3 367.3	6 173.4	4108.7	3.75	1.11
698.75	4-M071	4-M071	4-M071	2738.9	891.7	3 366.6	6 173.4	4108.0	3.75	1.11
699.25	4-PH	4-PH	4-PH	2738.4	891.7	3 366.3	6 173.4	4107.7	3.75	1.11
699.75	4-OFFDTY	4-SYS-HK	4-OFFDTY	2738.0	891.6	3 365.9	6 172.5	4106.4	3.75	1.11
701.25	4-PORH2O	4-OFFDTY	4-OFFDTY	2736.6	891.6	3 364.9	6 171.8	4104.7	3.76	1.10
702.25	4-OFFDTY	4-OFFDTY	4-SYS-HK	2735.7	891.4	3 337.2	6 171.8	4077.1	3.76	1.10
703.75	4-EAT	4-EAT	4-EAT	2734.3	891.4	3 336.2	6 171.2	4075.4	3.76	1.10
704.75	4-M071	4-M071	4-M071	2733.3	891.3	3 335.5	6 171.2	4074.7	3.76	1.10
705.00	4-PLN	4-PLN	4-PLN	2733.1	891.3	3 335.4	6 171.2	4074.5	3.76	1.10
706.00	4-R-R	4-R-R	4-R-R	2732.2	891.3	3 334.7	6 171.2	4073.9	3.77	1.09
707.00	4-PH	4-PH	4-PH	2731.3	891.3	3 334.0	6 171.2	4073.2	3.77	1.09
707.50	4-M071	4-M071	4-M071	2730.8	891.2	3 333.7	6 170.2	4071.9	3.77	1.09
707.75	4-SLEEP	4-SLEEP	4-SLEEP	2730.6	891.2	3 333.5	6 170.2	4071.7	3.77	1.09
715.75	4-PH	4-PH	4-PH	2723.3	891.0	3 328.1	6 170.2	4066.3	3.79	1.07
716.25	4-EAT	4-EAT	4-EAT	2722.8	891.0	3 327.8	6 169.3	4065.1	3.80	1.07
717.25	4-M071	4-M071	4-M071	2721.9	890.9	3 327.1	6 169.3	4064.7	3.80	1.07
717.75	2-ATM	4-SYS-HK	4-OPEN	2721.5	890.9	3 326.8	6 169.3	4064.1	3.80	1.07
719.25	2-ATM	4-OPEN	4-OPEN	2721.4	889.6	3 325.8	6 168.6	4062.4	3.78	1.09
720.13	2-ATM	4-M092-S	4-M092-0	2721.4	888.8	3 325.2	6 168.6	4061.8	3.77	1.10
721.25	2-ATM	4-M093-S	4-M093-0	2721.4	887.6	3 324.4	6 168.6	4061.0	3.75	1.11
721.75	4-EAT	4-EAT	2-ATMSYM	2721.4	887.1	3 324.1	6 168.6	4060.7	3.74	1.12
722.75	4-M071	4-M071	2-ATM	2721.4	886.2	3 323.4	6 168.6	4060.0	3.73	1.14
723.25	4-PH	2-ATM	2-ATM	2721.4	885.7	3 323.1	6 168.6	4059.7	3.72	1.14
723.42	4-PH	2-ATM	4-M071	2721.4	885.6	3 322.9	6 168.5	4059.5	3.72	1.15
723.75	4-SYS-HK	2-ATM	4-M071	2721.4	885.2	3 322.7	6 168.3	4059.0	3.72	1.15
723.92	4-SYS-HK	2-ATM	4-PH	2721.4	885.1	3 322.6	6 168.2	4058.8	3.71	1.15
724.42	4-SYS-HK	2-ATM	4-SYS-HK	2721.4	884.6	3 322.3	6 167.7	4058.0	3.71	1.16
725.00	2-ATM	4-PH	4-SYS-HK	2721.4	884.1	3 321.9	6 167.2	4057.1	3.70	1.17
725.50	2-ATM	4-OPEN	4-SYS-HK	2721.4	883.6	3 321.5	6 166.7	4056.2	3.70	1.17
726.13	2-ATM	4-M092-0	4-M092-S	2721.4	883.0	3 321.1	6 166.4	4055.5	3.69	1.18
727.25	2-ATM	4-M093-0	4-M093-S	2721.4	881.8	3 320.4	6 166.4	4054.7	3.66	1.20
727.75	4-EAT	4-EAT	4-EAT	2721.4	881.3	3 320.0	6 166.4	4054.4	3.66	1.20
728.75	4-M071	4-M071	4-M071	2721.4	880.4	3 319.3	6 166.4	4053.7	3.64	1.22
729.00	2-ATM	4-PLN	4-PLN	2721.4	880.1	3 319.2	6 166.4	4053.6	3.64	1.22
730.00	2-ATM	4-R-R	4-R-R	2721.4	879.2	3 318.5	6 166.4	4052.9	3.63	1.23
731.00	4-PH	4-PH	4-PH	2721.4	878.2	3 317.8	6 166.4	4052.2	3.62	1.25
731.50	4-M071	4-M071	4-M071	2721.4	877.8	3 317.5	6 165.4	4050.9	3.61	1.25
731.75	4-SLEEP	4-SLEEP	4-SLEEP	2721.4	877.5	3 317.3	6 165.4	4050.8	3.61	1.26
739.75	4-PH	4-PH	4-PH	2715.1	876.4	3 311.9	6 165.4	4045.4	3.62	1.25
740.25	4-EAT	4-EAT	4-EAT	2714.6	876.3	3 311.6	6 164.5	4044.1	3.62	1.25

TABLE 6.0-III.-Continued.

TIME	ASTRO1	ASTRO 2	ASTRO 3	O2 TANK	N2 TANK	MET-EXP H2O TANK	WMC H2O TANK	TOTAL H2O TNKS	O2 PP	N2 PP
741.25	4-M071	4-M071	4-M071	2713.7	876.3	3 310.9	6 164.5	4043.4	3.62	1.25
741.75	4-M487-2	4-M487-2	4-M487-2	2713.3	876.3	3 310.6	6 164.5	4043.1	3.63	1.25
742.00	4-SYS-HK	4-OPEN	2-ATM	2713.1	876.3	3 310.4	6 164.5	4042.9	3.63	1.25
743.00	4-OPEN	4-OPEN	2-ATM	2712.2	876.2	3 309.7	6 164.1	4041.8	3.63	1.25
744.75	4-OPEN	4-SYS-HK	2-ATM	2710.6	876.2	3 308.5	6 164.1	4040.6	3.63	1.24
745.75	2-ATMSYM	4-EAT	4-EAT	2709.7	876.2	3 307.9	6 163.6	4039.5	3.63	1.24
746.75	2-M071	4-M071	4-M071	2708.8	876.1	3 307.2	6 163.6	4038.8	3.63	1.24
747.25	2-ATM	4-PH	4-PH	2708.3	876.1	3 306.9	6 163.6	4036.5	3.64	1.24
747.75	2-ATM	4-OPEN	4-SYS-HK	2707.9	876.1	3 306.5	6 163.0	4037.5	3.64	1.23
748.33	4-PH	2-ATM	4-SYS-HK	2707.4	876.1	3 306.1	6 162.7	4036.9	3.64	1.23
748.83	4-OPEN	2-ATM	4-SYS-HK	2706.9	876.0	3 305.8	6 162.2	4036.0	3.64	1.23
750.13	4-M092-S	2-ATM	4-M092-0	2705.7	876.0	3 304.9	6 161.6	4034.5	3.64	1.23
751.25	4-M093-S	2-ATM	4-M093-0	2704.7	875.9	3 304.2	6 161.6	4033.8	3.63	1.22
751.75	4-EAT	4-EAT	4-EAT	2704.2	875.9	3 303.8	6 161.6	4033.5	3.63	1.22
752.75	4-M071	4-M071	4-M071	2703.3	875.8	3 303.1	6 161.6	4032.8	3.64	1.22
753.00	4-PLN	2-ATM	4-PLN	2703.1	875.8	3 303.0	6 161.6	4032.6	3.64	1.22
754.00	4-R-R	2-ATM	4-R-R	2702.1	875.8	3 302.3	6 161.6	4031.9	3.64	1.22
755.00	4-PH	4-PH	4-PH	2701.2	875.7	3 301.6	6 161.6	4031.3	3.64	1.22
755.50	4-M071	4-M071	4-M071	2700.7	875.7	3 301.3	6 160.7	4030.0	3.64	1.21
755.75	4-SLEEP	4-SLEEP	4-SLEEP	2700.5	875.7	3 301.1	6 160.7	4029.8	3.64	1.21
763.75	4-PH	4-PH	4-PH	2693.1	875.5	3 295.7	6 160.7	4024.4	3.67	1.20
764.25	4-EAT	4-EAT	4-EAT	2692.7	875.4	3 295.4	6 159.8	4023.1	3.67	1.19
765.25	4-M071	4-M071	4-M071	2691.7	875.4	3 294.7	6 159.8	4022.5	3.67	1.19
765.75	4-SYS-HK	2-ATM	4-OPEN	2691.3	875.4	3 294.4	6 159.8	4022.1	3.67	1.19
767.25	4-OPEN	2-ATM	4-OPEN	2689.9	875.3	3 293.4	6 159.1	4020.5	3.68	1.19
769.75	4-EAT	2-ATMSYM	4-EAT	2687.6	875.3	3 291.7	6 159.1	4018.8	3.68	1.18
770.75	4-M071	2-ATM	4-M071	2686.7	875.2	3 291.0	6 159.1	4018.1	3.69	1.18
771.25	4-PH	2-ATM	4-PH	2686.3	875.2	3 290.7	6 159.1	4017.8	3.69	1.18
771.75	2-ATM	4-M071	4-T003-2	2685.8	875.2	3 290.3	6 158.5	4016.8	3.69	1.18
772.08	2-ATM	4-M071	4-OPEN	2685.5	875.2	3 290.1	6 158.6	4016.6	3.69	1.18
772.25	2-ATM	4-PH	4-OPEN	2685.4	875.2	3 290.0	6 158.5	4016.5	3.69	1.18
772.75	2-ATM	4-SYS-HK	4-OPEN	2684.9	875.2	3 289.6	6 158.2	4015.8	3.69	1.18
774.25	2-ATM	4-OPEN	4-SYS-HK	2683.5	875.1	3 288.6	6 157.5	4014.1	3.69	1.17
775.75	4-EAT	4-EAT	4-EAT	2682.2	875.0	3 287.6	6 156.8	4012.5	3.70	1.17
776.50	4-EAT	4-EAT	4-T003-3	2681.5	875.0	3 287.1	6 156.8	4011.9	3.70	1.17
776.75	4-M071	4-M071	4-M071	2681.3	875.0	3 286.9	6 156.8	4011.8	3.70	1.17
777.00	4-PLN	4-PLN	2-ATM	2681.0	875.0	3 286.8	6 156.8	4011.6	3.70	1.17
778.00	4-R-R	4-R-R	2-ATM	2680.1	875.0	3 286.1	6 156.8	4010.9	3.70	1.16
779.00	4-PH	4-PH	4-PH	2679.2	874.9	3 285.4	6 156.8	4010.3	3.71	1.16
779.50	4-M071	4-M071	4-M071	2678.7	874.9	3 285.1	6 155.9	4009.0	3.71	1.16
779.75	4-SLEEP	4-SLEEP	4-SLEEP	2678.5	874.9	3 284.9	6 155.9	4008.8	3.71	1.16
787.75	4-PH	4-PH	4-PH	2671.3	874.6	3 279.5	6 155.9	4003.4	3.73	1.14
788.25	4-EAT	4-EAT	4-EAT	2670.8	874.6	3 279.2	6 155.0	4002.1	3.73	1.14
789.25	4-M071	4-M071	4-M071	2669.9	874.6	3 278.5	6 155.0	4001.5	3.73	1.14
789.75	4-M487-3	4-M487-3	4-M487-3	2669.5	874.6	3 278.2	6 155.0	4001.1	3.73	1.14
790.00	2-ATM	4-SYS-HK	4-OPEN	2669.3	874.6	3 278.0	6 155.0	4001.0	3.74	1.14
791.63	2-ATM	4-M092-S	4-M092-0	2667.8	874.5	3 276.9	6 154.2	3999.1	3.74	1.13
792.75	2-ATM	4-M171-S	4-M171-0	2666.8	874.4	3 276.1	6 154.2	3998.4	3.73	1.13
793.75	4-EAT	4-EAT	2-ATMSYM	2665.8	874.3	3 275.5	6 154.2	3997.7	3.73	1.13
794.75	4-M071	4-M071	2-M071	2664.9	874.2	3 274.8	6 154.2	3997.0	3.73	1.13

TABLE 6.0 -III.- Continued.

TIME	ASTRO1	ASTRO 2	ASTRO 3	O2 TANK	N2 TANK	MET-EXP H2O TANK	WMC H2O TANK	TOTAL H2O TNKS	O2 PP	N2 PP
795.25	4-PH	4-PH	2-ATM	2664.4	874.2	3 274.5	6 154.2	3996.7	3.73	1.13
795.75	4-SYS-HK	4-OPEN	2-ATM	2664.0	874.2	3 274.1	6 153.6	3995.7	3.73	1.12
796.25	4-SYS-HK	4-SYS-HK	2-ATM	2663.5	874.2	3 273.8	6 153.4	3995.2	3.74	1.12
797.13	2-ATM	4-SYS-HK	4-PH	2662.7	874.2	3 273.2	6 152.6	3993.8	3.74	1.12
797.63	2-ATM	4-M092-0	4-M092-S	2662.2	874.1	3 272.9	6 152.1	3992.9	3.74	1.12
798.75	2-ATM	4-M171-0	4-M171-S	2661.2	874.0	3 272.1	6 152.1	3992.2	3.73	1.12
799.75	4-EAT	4-EAT	4-EAT	2660.2	873.9	3 271.4	6 152.1	3991.5	3.73	1.11
800.75	4-M071	4-M071	4-M071	2659.2	873.9	3 270.7	6 152.1	3990.8	3.73	1.11
801.00	2-ATM	4-PLN	4-PLN	2659.0	873.9	3 270.6	6 152.1	3990.7	3.73	1.11
802.00	2-ATM	4-R-R	4-R-R	2658.1	873.8	3 269.9	6 152.1	3990.0	3.74	1.11
803.00	4-PH	4-PH	4-PH	2657.1	873.8	3 269.2	6 152.1	3989.3	3.74	1.11
803.50	4-M071	4-M071	4-M071	2656.6	873.8	3 268.9	6 151.1	3988.0	3.74	1.11
803.75	4-SLEEP	4-SLEEP	4-SLEEP	2656.4	873.8	3 268.7	6 151.1	3987.9	3.74	1.11
811.75	4-PH	4-PH	4-PH	2648.9	873.5	3 263.3	6 151.1	3982.5	3.77	1.09
812.25	4-EAT	4-EAT	4-EAT	2648.4	873.5	3 263.0	6 150.2	3981.2	3.77	1.09
813.25	4-M071	4-M071	4-M071	2647.5	873.5	3 262.3	6 150.2	3980.5	3.77	1.09
813.75	2-ATM	4-SYS-HK	4-OPEN	2647.0	873.4	3 262.0	6 150.2	3980.2	3.77	1.09
815.25	2-ATM	4-OPEN	4-OPEN	2645.6	873.4	3 261.0	6 149.5	3978.5	3.78	1.08
816.50	2-ATM	4-OPEN	4-SYS-HK	2644.5	873.3	3 260.1	6 149.5	3977.7	3.78	1.08
817.75	2-ATMSYM	4-EAT	4-EAT	2643.3	873.3	3 259.3	6 149.0	3976.3	3.78	1.08
818.75	2-M071	4-M071	4-M071	2642.4	873.3	3 258.6	6 149.0	3975.6	3.79	1.08
819.25	2-ATM	4-PH	4-PH	2641.9	873.3	3 258.3	6 149.0	3975.3	3.79	1.07
819.75	4-PH	2-ATM	4-SYS-HK	2641.5	873.2	3 257.9	6 148.4	3974.3	3.79	1.07
820.25	4-OPEN	2-ATM	4-SYS-HK	2641.0	873.2	3 257.6	6 147.8	3973.4	3.79	1.07
821.63	4-M092-S	2-ATM	4-M092-0	2639.8	873.2	3 256.7	6 147.2	3971.9	3.79	1.07
822.75	4-M171-S	2-ATM	4-M171-0	2638.7	873.0	3 255.9	6 147.2	3971.1	3.78	1.06
823.75	4-EAT	4-EAT	4-EAT	2637.7	872.9	3 255.2	6 147.2	3970.4	3.78	1.06
824.75	4-M071	4-M071	4-M071	2636.8	872.9	3 254.5	6 147.2	3969.8	3.79	1.06
825.00	4-PLN	2-ATM	4-PLN	2636.5	872.9	3 254.4	6 147.2	3969.6	3.79	1.06
826.00	4-R-R	2-ATM	4-R-R	2635.6	872.9	3 253.7	6 147.2	3968.9	3.79	1.06
827.00	4-PH	4-PH	4-PH	2634.6	872.8	3 253.0	6 147.2	3968.3	3.79	1.06
827.50	4-M071	4-M071	4-M071	2634.2	872.8	3 252.7	6 146.3	3967.0	3.79	1.06
827.75	4-SLEEP	4-SLEEP	4-SLEEP	2633.9	872.8	3 252.5	6 146.3	3966.8	3.79	1.06
835.75	4-PH	4-PH	4-PH	2632.3	866.7	3 247.1	6 146.3	3961.4	3.73	1.14
836.25	4-EAT	4-EAT	4-EAT	2632.3	866.3	3 246.8	6 145.4	3960.1	3.73	1.15
837.25	4-M071	4-M071	4-M071	2632.3	865.4	3 246.1	6 145.4	3959.5	3.71	1.16
837.75	4-SYS-HK	4-OFFDTY	4-OFFDTY	2632.3	864.9	3 245.8	6 145.4	3959.1	3.71	1.17
839.25	4-OFFDTY	4-OFFDTY	4-OFFDTY	2632.3	863.5	3 244.8	6 144.7	3957.4	3.69	1.19
841.75	4-EAT	4-EAT	4-EAT	2632.3	861.2	3 243.1	6 144.7	3955.8	3.66	1.22
842.75	4-M071	4-M071	4-M071	2632.3	860.3	3 242.4	6 144.7	3955.1	3.65	1.23
843.25	4-PH	4-PH	4-PH	2632.3	859.8	3 242.1	6 144.7	3954.7	3.64	1.24
843.75	4-OFFDTY	4-SYS-HK	4-OFFDTY	2632.3	859.4	3 241.7	6 143.8	3953.5	3.64	1.25
845.25	4-OFFDTY	4-OFFDTY	4-OFFDTY	2632.3	858.0	3 240.7	6 143.1	3951.8	3.62	1.27
846.25	4-OFFDTY	4-OFFDTY	4-SYS-HK	2632.3	857.1	3 240.0	6 143.1	3951.1	3.61	1.28
847.75	4-EAT	4-EAT	4-EAT	2631.6	856.5	3 239.0	6 142.4	3949.4	3.60	1.28
848.50	4-M487-4	4-M487-4	4-M487-4	2631.0	856.4	3 238.5	6 142.4	3948.9	3.60	1.28
848.75	4-M071	4-M071	4-M071	2630.7	856.4	3 238.3	6 142.4	3948.8	3.60	1.28
849.00	4-PLN	4-PLN	4-PLN	2630.5	856.4	3 238.2	6 142.4	3948.6	3.60	1.28
850.00	4-R-R	4-R-R	4-R-R	2629.7	856.4	3 237.5	6 142.4	3947.9	3.60	1.28
851.00	4-PH	4-PH	4-PH	2628.8	856.3	3 236.8	6 142.4	3947.3	3.61	1.28

TABLE 6.0 -Ⅲ.- Continued.

TIME	ASTRO1	ASTRO 2	ASTRO 3	O2 TANK	N2 TANK	MET-EXP H2O TANK	WMC H2O TANK	TOTAL H2O TNKS	O2 PP	N2 PP
851.50	4-M071	4-M071	4-M071	2628.3	856.3	3 236.5	6 141.5	3946.0	3.61	1.28
851.75	4-SLEEP	4-SLEEP	4-SLEEP	2628.1	856.3	3 236.3	6 141.5	3945.8	3.61	1.28
859.75	4-PH	4-PH	4-PH	2621.1	856.1	3 230.9	6 141.5	3940.4	3.63	1.26
860.25	4-EAT	4-EAT	4-EAT	2620.7	856.0	3 230.6	6 140.6	3939.1	3.63	1.25
861.25	4-M071	4-M071	4-M071	2619.8	856.0	3 229.9	6 140.6	3938.5	3.63	1.25
861.75	4-SYS-HK	2-ATM	4-OPEN	2619.4	856.0	3 229.6	6 140.6	3938.1	3.63	1.25
863.00	4-SYS-HK	2-ATM	4-SYS-HK	2618.3	855.9	3 228.7	6 140.0	3936.7	3.63	1.25
863.25	4-OPEN	2-ATM	4-SYS-HK	2618.1	855.9	3 228.6	6 139.8	3936.3	3.64	1.25
864.13	2-ATM	4-M092-S	4-M092-0	2617.3	855.9	3 228.0	6 139.4	3935.4	3.64	1.25
865.25	2-ATM	4-M093-S	4-M093-0	2616.3	855.8	3 227.2	6 139.4	3934.6	3.63	1.24
865.75	4-EAT	2-ATMSYM	4-EAT	2615.8	855.8	3 226.9	6 139.4	3934.3	3.63	1.24
866.75	4-M071	2-M071	4-M071	2614.9	855.7	3 226.2	6 139.4	3933.6	3.63	1.24
867.25	4-PH	2-ATM	4-PH	2614.5	855.7	3 225.9	6 139.4	3933.2	3.63	1.24
867.75	2-ATM	4-PH	4-OPEN	2614.0	855.7	3 225.5	6 138.8	3932.3	3.63	1.23
868.25	2-ATM	4-SYS-HK	4-OPEN	2613.5	855.7	3 225.2	6 138.5	3931.6	3.63	1.23
870.13	2-ATM	4-M092-0	4-M092-S	2611.8	855.6	3 223.9	6 137.6	3929.5	3.64	1.23
871.25	2-ATM	4-M093-0	4-M093-S	2610.8	855.6	3 223.2	6 137.6	3928.8	3.63	1.22
871.75	4-EAT	4-EAT	4-EAT	2610.3	855.5	3 222.8	6 137.6	3928.4	3.63	1.22
872.75	4-M071	4-M071	4-M071	2609.4	855.4	3 222.1	6 137.6	3927.8	3.63	1.22
873.00	4-PLN	4-PLN	2-ATM	2609.1	855.4	3 222.0	6 137.6	3927.6	3.63	1.22
874.00	4-R-R	4-R-R	2-ATM	2608.2	855.4	3 221.3	6 137.6	3926.9	3.64	1.22
875.00	4-PH	4-PH	4-PH	2607.2	855.3	3 220.6	6 137.6	3926.2	3.64	1.22
875.50	4-M071	4-M071	4-M071	2606.8	855.3	3 220.3	6 136.7	3925.0	3.64	1.21
875.75	4-SLEEP	4-SLEEP	4-SLEEP	2606.5	855.3	3 220.1	6 136.7	3924.8	3.64	1.21
883.75	4-PH	4-PH	4-PH	2599.1	855.1	3 214.7	6 136.7	3919.4	3.67	1.20
884.25	4-EAT	4-EAT	4-EAT	2598.6	855.0	3 214.4	6 135.8	3918.1	3.67	1.19
885.25	4-M071	4-M071	4-M071	2597.7	855.0	3 213.7	6 135.8	3917.5	3.67	1.19
885.75	4-M487-S	4-M487-S	4-M487-S	2597.3	855.0	3 213.4	6 135.8	3917.1	3.67	1.19
885.92	4-SYS-HK	4-OPEN	2-ATM	2597.1	855.0	3 213.3	6 135.8	3917.0	3.67	1.19
887.42	4-OPEN	4-OPEN	2-ATM	2595.7	854.9	3 212.2	6 135.1	3915.3	3.68	1.19
888.25	4-OPEN	4-SYS-HK	2-ATM	2595.0	854.9	3 211.7	6 135.1	3914.8	3.68	1.19
889.75	4-EAT	4-EAT	2-ATMSYM	2593.6	854.8	3 210.7	6 134.4	3913.1	3.68	1.18
890.75	4-M071	4-M071	2-M071	2592.7	854.8	3 210.0	6 134.4	3912.4	3.68	1.18
891.25	4-PH	4-PH	2-ATM	2592.2	854.8	3 209.7	6 134.4	3912.1	3.69	1.18
891.75	4-OPEN	2-ATM	4-PH	2591.8	854.8	3 209.3	6 133.8	3911.1	3.69	1.18
892.25	4-OPEN	2-ATM	4-SYS-HK	2591.3	854.8	3 209.0	6 133.5	3910.5	3.69	1.18
894.13	4-M092-S	2-ATM	4-M092-0	2589.6	854.7	3 207.7	6 132.6	3908.4	3.69	1.17
895.25	4-M093-S	2-ATM	4-M093-0	2588.5	854.6	3 207.0	6 132.6	3907.6	3.68	1.17
895.75	4-EAT	4-EAT	4-EAT	2588.1	854.6	3 206.6	6 132.6	3907.3	3.68	1.17
896.75	4-M071	4-M071	4-M071	2587.1	854.5	3 205.9	6 132.6	3906.6	3.69	1.16
897.00	2-ATM	4-PLN	4-PLN	2586.9	854.5	3 205.8	6 132.6	3906.4	3.69	1.16
898.00	2-ATM	4-R-R	4-R-R	2585.9	854.4	3 205.1	6 132.6	3905.8	3.69	1.16
899.00	4-PH	4-PH	4-PH	2585.0	854.4	3 204.4	6 132.6	3905.1	3.69	1.16
899.50	4-M071	4-M071	4-M071	2584.5	854.4	3 204.1	6 131.7	3903.8	3.69	1.16
899.75	4-SLEEP	4-SLEEP	4-SLEEP	2584.3	854.4	3 203.9	6 131.7	3903.6	3.69	1.16
907.75	4-PH	4-PH	4-PH	2576.8	854.2	3 198.5	6 131.7	3898.2	3.72	1.14
908.25	4-EAT	4-EAT	4-EAT	2576.4	854.1	3 198.2	6 130.8	3897.0	3.72	1.14
909.25	4-M071	4-M071	4-M071	2575.4	854.1	3 197.5	6 130.8	3896.3	3.73	1.14
909.75	2-ATM	4-SYS-HK	4-OPEN	2575.0	854.1	3 197.2	6 130.8	3896.0	3.73	1.14
911.25	2-ATM	4-OPEN	4-OPEN	2573.6	854.0	3 196.2	6 130.1	3894.3	3.73	1.13

TABLE 6.0 -Ⅲ.- Continued.

TIME	ASTRO1	ASTRO 2	ASTRO 3	O2 TANK	N2 TANK	MET-EXP H2O TANK	WMC H2O TANK	TOTAL H2O TNKS	O2 PP	N2 PP
913.75	2-ATMSYM	4-EAT	4-EAT	2571.3	853.9	3 194.5	6 130.1	3892.6	3.74	1.13
914.75	2-M071	4-M071	4-M071	2570.4	853.9	3 193.8	6 130.1	3891.9	3.74	1.12
915.25	2-ATM	4-PH	4-PH	2569.9	853.9	3 193.5	6 130.1	3891.6	3.74	1.12
915.75	4-PH	4-SYS-HK	2-ATM	2569.5	853.9	3 193.1	6 129.5	3890.6	3.74	1.12
916.25	4-OPEN	4-SYS-HK	2-ATM	2569.0	853.9	3 192.8	6 129.0	3889.7	3.74	1.12
917.25	4-OPEN	4-OPEN	2-ATM	2568.1	853.8	3 192.1	6 128.5	3888.6	3.74	1.12
918.25	4-SYS-HK	4-OPEN	2-ATM	2567.2	853.8	3 191.4	6 128.5	3688.0	3.75	1.12
919.75	4-EAT	4-EAT	4-EAT	2565.8	853.7	3 190.4	6 127.8	3886.3	3.75	1.11
920.75	4-M071	4-M071	4-M071	2564.9	853.7	3 189.7	6 127.8	3885.6	3.75	1.11
921.00	4-PLN	2-ATM	4-PLN	2564.6	853.7	3 189.6	6 127.8	3885.4	3.75	1.11
922.00	4-R-R	2-ATM	4-R-R	2563.7	853.7	3 188.9	6 127.8	3884.8	3.76	1.11
923.00	4-PH	4-PH	4-PH	2562.8	853.6	3 188.2	6 127.8	3884.1	3.76	1.11
923.50	4-M071	4-M071	4-M071	2562.4	853.6	3 187.9	6 126.9	3882.8	3.76	1.11
923.75	4-SLEEP	4-SLEEP	4-SLEEP	2562.1	853.6	3 187.7	6 126.9	3882.6	3.76	1.11
931.75	4-PH	4-PH	4-PH	2554.9	853.3	3 182.3	6 126.9	3877.2	3.78	1.09
932.00	4-M487-6	4-M487-6	4-M487-6	2554.6	853.3	3 182.2	6 126.4	3876.6	3.78	1.09
932.25	4-EAT	4-EAT	4-EAT	2554.4	653.3	3 182.0	6 126.4	3876.4	3.78	1.09
933.25	4-M071	4-M071	4-M071	2553.5	853.3	3 181.3	6 126.4	3875.8	3.79	1.09
933.75	4-SYS-HK	2-ATM	4-OPEN	2553.1	853.3	3 181.0	6 126.4	3875.4	3.79	1.09
935.63	2-ATM	4-M092-S	4-M092-0	2551.4	853.2	3 179.7	6 125.6	3873.3	3.79	1.08
936.75	2-ATM	4-M171-S	4-M171-0	2550.3	853.1	3 178.9	6 125.6	3872.6	3.78	1.08
937.75	4-EAT	2-ATMSYM	4-EAT	2549.4	853.0	3 178.3	6 125.6	3871.9	3.78	1.08
938.75	4-M071	2-M071	4-M071	2548.5	852.9	3 177.6	6 125.6	3871.2	3.78	1.07
939.25	4-PH	2-ATM	4-PH	2548.0	852.9	3 177.3	6 125.6	3870.9	3.78	1.07
939.75	2-ATM	4-PH	4-SYS-HK	2547.5	852.9	3 176.9	6 125.0	3869.9	3.78	1.07
940.25	2-ATM	4-OPEN	4-SYS-HK	2547.1	852.9	3 176.6	6 124.5	3869.0	3.79	1.07
940.75	2-ATM	4-SYS-HK	4-SYS-HK	2546.6	852.9	3 176.2	6 124.2	3868.5	3.79	1.07
941.63	2-ATM	4-M092-0	4-M092-S	2545.8	852.8	3 175.7	6 123.5	3867.1	3.79	1.07
942.75	2-ATM	4-M171-0	4-M171-S	2544.7	852.7	3 174.9	6 123.5	3866.4	3.78	1.06
943.75	4-EAT	4-EAT	4-EAT	2543.7	852.6	3 174.2	6 123.5	3865.7	3.78	1.06
944.75	4-M071	4-M071	4-M071	2542.8	852.6	3 173.5	6 123.5	3865.0	3.78	1.06
945.00	2-ATM	4-PLN	4-PLN	2542.5	852.6	3 173.4	6 123.5	3864.8	3.78	1.06
946.00	2-ATM	4-R-R	4-R-R	2541.6	852.5	3 172.7	6 123.5	3864.2	3.79	1.06
947.00	4-PH	4-PH	4-PH	2540.6	852.5	3 172.0	6 123.5	3863.5	3.79	1.06
947.25	4-M487-6	4-M487-6	4-M487-6	2540.4	852.5	3 171.9	6 123.0	3862.8	3.79	1.06
947.50	4-M071	4-M071	4-M071	2540.2	852.5	3 171.7	6 123.0	3862.7	3.79	1.06
947.75	4-SLEEP	4-SLEEP	4-SLEEP	2539.9	852.5	3 171.5	6 123.0	3862.5	3.79	1.05
955.75	4-PH	4-PH	4-PH	2537.6	847.0	3 166.1	6 123.0	3857.1	3.74	1.13
956.25	4-EAT	4-EAT	4-EAT	2537.6	846.6	3 165.8	6 122.1	3855.8	3.73	1.14
957.25	4-M071	4-M071	4-M071	2537.6	845.6	3 165.1	6 122.1	3855.2	3.72	1.15
957.75	4-SYS-HK	2-ATM	4-OPEN	2537.6	845.2	3 164.8	6 122.1	3854.8	3.72	1.16
959.25	4-OPEN	2-ATM	4-OPEN	2537.6	843.8	3 163.8	6 121.4	3853.1	3.70	1.18
960.25	4-OPEN	2-ATM	4-SYS-HK	2537.6	842.8	3 163.1	6 121.4	3852.5	3.69	1.19
961.75	4-EAT	4-EAT	2-ATMSYM	2537.6	841.4	3 162.1	6 120.7	3850.8	3.67	1.21
962.75	4-M071	4-M071	2-M071	2537.6	840.5	3 161.4	6 120.7	3850.1	3.66	1.22
963.25	4-PH	4-PH	2-ATM	2537.6	840.1	3 161.1	6 120.7	3849.8	3.65	1.23
963.75	4-SYS-HK	4-OPEN	2-ATM	2537.6	839.6	3 160.7	6 120.1	3848.8	3.65	1.24
965.13	4-SYS-HK	2-ATM	4-PH	2537.6	838.4	3 159.8	6 119.5	3847.3	3.63	1.25
965.63	4-M092-S	2-ATM	4-M092-0	2537.6	837.9	3 159.5	6 119.0	3846.4	3.63	1.26
966.75	4-M171-S	2-ATM	4-M171-0	2537.6	836.8	3 158.7	6 119.0	3845.6	3.60	1.27

TABLE 6.0 -III.-Continued.

TIME	ASTRO1	ASTRO 2	ASTRO 3	O2 TANK	N2 TANK	MET-EXP H2O TANK	WMC H2O TANK	TOTAL H2O TNKS	O2 PP	N2 PP
967.75	4-EAT	4-EAT	4-EAT	2536.7	836.7	3 158.0	6 119.0	3845.0	3.60	1.27
968.75	4-M071	4-M071	4-M071	2535.8	836.6	3 157.3	6 119.0	3844.3	3.60	1.27
969.00	2-ATM	4-PLN	4-PLN	2535.6	836.6	3 157.2	6 119.0	3844.1	3.60	1.27
970.00	2-ATM	4-R-R	4-R-R	2534.7	836.6	3 156.5	6 119.0	3843.5	3.61	1.26
971.00	4-PH	4-PH	4-PH	2533.8	836.6	3 155.8	6 119.0	3842.8	3.61	1.26
971.50	4-M071	4-M071	4-M071	2533.3	836.6	3 155.5	6 118.0	3841.5	3.61	1.26
971.75	4-SLEEP	4-SLEEP	4-SLEEP	2533.1	836.5	3 155.3	6 118.0	3841.3	3.61	1.26
979.75	4-PH	4-PH	4-PH	2525.9	836.3	3 149.9	6 118.0	3835.9	3.64	1.24
980.25	4-EAT	4-EAT	4-EAT	2525.5	836.3	3 149.6	6 117.1	3834.7	3.64	1.24
981.25	4-M071	4-M071	4-M071	2524.6	836.2	3 148.9	6 117.1	3834.0	3.64	1.24
981.75	4-M487-7	4-M487-7	4-M487-7	2524.2	836.2	3 148.6	6 117.1	3833.7	3.64	1.24
981.92	4-SYS-HK	4-OFFDTY	4-OFFDTY	2524.0	836.2	3 148.5	6 117.1	3833.5	3.64	1.24
983.42	4-OFFDTY	4-OFFDTY	4-OFFDTY	2522.7	836.2	3 147.4	6 116.4	3831.9	3.64	1.23
984.25	4-OFFDTY	4-OFFDTY	4-SYS-HK	2521.9	836.1	3 146.9	6 116.4	3831.3	3.64	1.23
985.75	4-EAT	4-EAT	4-EAT	2520.6	836.1	3 145.9	6 115.8	3829.6	3.65	1.23
986.75	4-M071	4-M071	4-M071	2519.7	836.0	3 145.2	6 115.8	3828.9	3.65	1.23
987.25	4-PH	4-PH	4-PH	2519.2	836.0	3 144.9	6 115.8	3828.6	3.65	1.22
987.75	4-OFFDTY	4-SYS-HK	4-OFFDTY	2518.8	836.0	3 144.5	6 114.8	3827.3	3.65	1.22
989.25	1-SYSCK	1-RENTRY	1-RENTRY	2517.4	836.0	3 143.5	6 114.2	3825.7	3.65	1.22
991.75	4-EAT	4-EAT	4-EAT	2515.2	835.9	3 141.8	6 114.2	3824.0	3.66	1.21
992.75	4-M071	4-M071	4-M071	2514.3	835.8	3 141.1	6 114.2	3823.3	3.66	1.21
993.00	4-PLN	4-PLN	4-PLN	2514.1	835.8	3 141.0	6 114.2	3823.1	3.66	1.21
994.00	4-R-R	4-R-R	4-R-R	2513.2	835.8	3 140.3	6 114.2	3822.5	3.66	1.21
995.00	4-PH	4-PH	4-PH	2512.3	835.8	3 139.6	6 114.2	3821.8	3.67	1.21
995.50	4-M071	4-M071	4-M071	2511.8	835.7	3 139.3	6 113.2	3820.5	3.67	1.21
995.75	4-SLEEP	4-SLEEP	4-SLEEP	2511.6	835.7	3 139.1	6 113.2	3820.3	3.67	1.20
1003.75	4-PH	4-PH	4-PH	2504.4	835.5	3 133.7	6 113.2	3814.9	3.69	1.19
1004.25	4-EAT	4-EAT	4-EAT	2504.0	835.5	3 133.4	6 112.3	3813.7	3.69	1.19
1005.25	4-M071	4-M071	4-M071	2503.1	835.4	3 132.7	6 112.3	3813.0	3.69	1.18
1005.75	4-SYS-HK	2-ATM	4-OPEN	2502.6	835.4	3 132.4	6 112.3	3812.7	3.69	1.18
1006.75	4-OPEN	2-ATM	4-SYS-HK	2501.8	835.4	3 131.7	6 111.8	3811.5	3.70	1.18
1008.10	2-ATM	2-ATM	4-SYS-HK	2500.6	835.3	3 130.8	6 111.2	3810.0	3.70	1.18
1008.13	2-ATM	4-M092-S	4-M092-O	2500.5	835.3	3 130.8	6 111.2	3810.0	3.70	1.18
1009.25	2-ATM	4-M093-S	4-M093-O	2499.5	835.2	3 130.0	6 111.2	3809.2	3.69	1.17
1009.75	2-ATMSYM	4-EAT	4-EAT	2499.0	835.2	3 129.7	6 111.2	3808.9	3.69	1.17
1010.75	2-ATM	4-M071	4-M071	2498.1	835.1	3 129.0	6 111.2	3808.2	3.69	1.17
1011.25	2-ATM	4-PH	2-ATM	2497.6	835.1	3 128.7	6 111.2	3807.9	3.69	1.17
1011.30	4-M071	4-PH	4-PH	2497.6	835.1	3 128.6	6 111.2	3807.8	3.69	1.17
1011.25	4-M071	4-T003-2	2-ATM	2497.2	835.1	3 128.3	6 110.9	3807.2	3.70	1.17
1011.80	4-PH	4-T003-2	2-ATM	2497.1	835.1	3 128.3	6 110.9	3807.2	3.70	1.17
1012.08	4-PH	4-SYS-HK	2-ATM	2496.9	835.1	3 128.1	6 110.7	3806.8	3.70	1.17
1012.30	4-SYS-HK	4-SYS-HK	2-ATM	2496.7	835.1	3 128.0	6 110.5	3806.5	3.70	1.17
1013.08	4-SYS-HK	4-OPEN	2-ATM	2496.0	835.1	3 127.4	6 109.8	3805.2	3.70	1.16
1013.50	2-ATM	4-OPEN	2-ATM	2495.6	835.0	3 127.1	6 109.6	3804.8	3.70	1.16
1013.63	2-ATM	4-OPEN	4-PH	2495.4	835.0	3 127.1	6 109.6	3804.7	3.70	1.16
1014.13	2-ATM	4-M092-O	4-M092-S	2495.0	835.0	3 126.7	6 109.3	3804.0	3.70	1.16
1015.25	2-ATM	4-M093-O	4-M093-S	2493.9	834.9	3 126.0	6 109.3	3803.3	3.69	1.16
1015.75	4-EAT	4-EAT	4-EAT	2493.4	834.9	3 125.6	6 109.3	3802.9	3.69	1.15
1016.50	4-EAT	4-EAT	4-T003-3	2492.7	834.8	3 125.1	6 109.3	3802.4	3.69	1.15
1016.75	4-M071	4-M071	4-M071	2492.5	834.8	3 124.9	6 109.3	3802.3	3.69	1.15

TABLE 6.0 -III.- Continued.

TIME	ASTRO1	ASTRO 2	ASTRO 3	O2 TANK	N2 TANK	MET-EXP H2O TANK	WMC H2O TANK	TOTAL H2O TNKS	O2 PP	N2 PP
1017.00	4-PLN	2-ATM	4-PLN	2492.3	834.8	3 124.8	6 109.3	3802.1	3.70	1.15
1018.00	4-R-R	2-ATM	4-R-R	2491.3	834.8	3 124.1	6 109.3	3801.4	3.70	1.15
1019.00	4-PH	4-PH	4-PH	2490.4	834.8	3 123.4	6 109.3	3800.7	3.70	1.15
1019.50	4-M071	4-M071	4-M071	2489.9	834.7	3 123.1	6 108.4	3799.5	3.70	1.15
1019.75	4-SLEEP	4-SLEEP	4-SLEEP	2489.6	834.7	3 122.9	6 108.4	3799.3	3.70	1.15
1027.75	4-PH	4-PH	4-PH	2482.2	834.5	3 117.5	6 108.4	3793.9	3.73	1.13
1028.25	4-EAT	4-EAT	4-EAT	2481.7	834.5	3 117.2	6 107.5	3792.6	3.73	1.13
1029.25	4-M071	4-M071	4-M071	2480.8	834.4	3 116.5	6 107.5	3792.0	3.73	1.13
1029.75	4-M487-8	4-M487-8	4-M487-8	2480.3	834.4	3 116.2	6 107.5	3791.6	3.74	1.12
1029.83	2-ATM	4-SYS-HK	4-OPEN	2480.2	834.4	3 116.1	6 107.5	3791.6	3.74	1.12
1031.25	2-ATM	4-OPEN	4-H2OSAM	2478.9	834.4	3 115.2	6 106.8	3790.0	3.74	1.12
1032.75	2-ATM	4-OPEN	4-SYS-HK	2477.5	834.3	3 114.0	6 106.8	3788.8	3.74	1.12
1033.75	4-EAT	2-ATMSYM	4-EAT	2476.6	834.3	3 113.3	6 106.4	3787.7	3.75	1.12
1034.75	4-M071	2-M071	4-M071	2475.7	834.2	3 112.7	6 106.4	3787.0	3.75	1.11
1035.25	4-PH	2-ATM	4-PH	2475.2	834.2	3 112.3	6 106.4	3786.7	3.75	1.11
1035.75	4-OPEN	4-PH	2-ATM	2474.8	834.2	3 112.0	6 105.8	3785.8	3.75	1.11
1036.25	4-OPEN	4-SYS-HK	2-ATM	2474.3	834.2	3 111.7	6 105.4	3785.1	3.75	1.11
1038.13	4-M092-S	2-ATM	4-M092-0	2472.6	834.1	3 110.4	6 104.6	3783.0	3.76	1.11
1039.25	4-M093-S	2-ATM	4-M093-0	2471.5	834.0	3 109.6	6 104.6	3782.2	3.75	1.10
1039.75	4-EAT	4-EAT	4-EAT	2471.1	834.0	3 109.3	6 104.6	3781.9	3.75	1.10
1040.75	4-M071	4-M071	4-M071	2470.1	833.9	3 108.6	6 104.6	3781.2	3.75	1.10
1041.00	4-PLN	4-PLN	2-ATM	2469.9	833.9	3 108.5	6 104.6	3781.1	3.75	1.10
1042.00	4-R-R	4-R-R	2-ATM	2468.9	833.9	3 107.8	6 104.6	3780.4	3.75	1.10
1043.00	4-PH	4-PH	4-PH	2468.0	833.9	3 107.1	6 104.6	3779.7	3.76	1.09
1043.50	4-M071	4-M071	4-M071	2467.5	833.8	3 106.8	6 103.7	3778.4	3.76	1.09
1043.75	4-SLEEP	4-SLEEP	4-SLEEP	2467.3	833.8	3 106.6	6 103.7	3778.3	3.76	1.09
1051.75	4-PH	4-PH	4-PH	2459.8	833.6	3 101.2	6 103.7	3772.9	3.79	1.08
1052.25	4-EAT	4-EAT	4-EAT	2459.4	833.6	3 100.9	6 102.7	3771.6	3.79	1.08
1053.25	4-M071	4-M071	4-M071	2458.4	833.5	3 100.2	6 102.7	3770.9	3.79	1.07
1053.75	4-OPEN	4-SYS-HK	2-ATM	2458.0	833.5	3 99.8	6 102.7	3770.6	3.79	1.07
1055.25	4-OPEN	4-OPEN	2-ATM	2456.6	833.5	3 98.8	6 102.1	3768.9	3.79	1.07
1057.75	4-EAT	4-EAT	2-ATMSYM	2454.3	833.4	3 97.1	6 102.1	3767.2	3.80	1.06
1058.75	4-M071	4-M071	2-ATM	2453.8	832.9	3 96.5	6 102.1	3766.5	3.79	1.07
1059.25	4-PH	4-PH	2-ATM	2453.8	832.4	3 96.1	6 102.1	3766.2	3.79	1.08
1059.47	4-PH	4-PH	2-M071	2453.8	832.2	3 96.0	6 101.8	3765.8	3.79	1.08
1059.75	4-SYS-HK	2-ATM	2-M071	2453.8	831.9	3 95.8	6 101.5	3765.2	3.78	1.08
1059.97	4-SYS-HK	2-ATM	4-PH	2453.8	831.7	3 95.6	6 101.4	3765.0	3.78	1.09
1060.47	4-SYS-HK	2-ATM	4-OPEN	2453.8	831.2	3 95.3	6 100.8	3764.1	3.77	1.09
1061.25	4-OPEN	2-ATM	4-OPEN	2453.8	830.5	3 94.8	6 100.5	3763.3	3.76	1.11
1062.25	4-OPEN	2-ATM	4-SYS-HK	2453.8	829.6	3 94.1	6 100.5	3762.6	3.75	1.12
1063.75	4-EAT	4-EAT	4-EAT	2453.8	828.2	3 93.1	6 99.8	3760.9	3.74	1.14
1064.75	4-M071	4-M071	4-M071	2453.8	827.3	3 92.4	6 99.8	3760.2	3.72	1.15
1065.00	2-ATM	4-PLN	4-PLN	2453.8	827.0	3 92.3	6 99.8	3760.1	3.72	1.16
1066.00	2-ATM	4-R-R	4-R-R	2453.8	826.1	3 91.6	6 99.8	3759.4	3.71	1.17
1067.00	4-PH	4-PH	4-PH	2453.8	825.2	3 90.9	6 99.8	3758.7	3.70	1.18
1067.50	4-M071	4-M071	4-M071	2453.8	824.7	3 90.6	6 98.9	3757.4	3.69	1.19
1067.75	4-SLEEP	4-SLEEP	4-SLEEP	2453.8	824.5	3 90.4	6 98.9	3757.3	3.69	1.19
1075.75	4-PH	4-PH	4-PH	2453.8	817.3	3 85.0	6 98.9	3751.9	3.60	1.29
1076.25	4-EAT	4-EAT	4-EAT	2453.7	817.0	3 84.7	6 97.9	3750.6	3.60	1.30
1077.25	4-M071	4-M071	4-M071	2452.9	816.9	3 84.0	6 97.9	3749.9	3.60	1.30

TABLE 6.0 - III. - Continued.

TIME	ASTRO1	ASTRO 2	ASTRO 3	O2 TANK	N2 TANK	MET-EXP H2O TANK	WMC H2O TANK	TOTAL H2O TNKS	O2 PP	N2 PP
1077.75	2-ATM	4-OPEN	4-SYS-HK	2452.5	814.9	3 83.6	6 97.9	3749.6	3.60	1.29
1079.63	2-ATM	4-M092-S	4-M092-0	2450.9	816.9	3 82.4	6 97.1	3747.5	3.60	1.29
1080.75	2-ATM	4-M171-S	4-M171-0	2449.9	816.7	3 81.6	6 97.1	3746.7	3.59	1.28
1081.75	2-ATMSYM	4-EAT	4-EAT	2449.0	816.6	3 80.9	6 97.1	3746.1	3.59	1.28
1082.75	2-M071	4-M071	4-M071	2448.1	816.6	3 80.3	6 97.1	3745.4	3.60	1.28
1083.25	4-PH	4-PH	2-ATM	2447.6	816.6	3 79.9	6 97.1	3745.0	3.60	1.28
1083.75	4-OPEN	4-SYS-HK	2-ATM	2447.2	816.6	3 79.6	6 96.5	3744.1	3.60	1.28
1084.25	4-SYS-HK	4-SYS-HK	2-ATM	2446.8	816.5	3 79.3	6 96.3	3743.5	3.60	1.28
1084.97	2-ATM	4-SYS-HK	2-ATM	2446.1	816.5	3 78.8	6 95.6	3742.4	3.60	1.27
1085.13	2-ATM	4-SYS-HK	4-PH	2446.0	816.5	3 78.7	6 95.5	3742.2	3.60	1.27
1085.63	2-ATM	4-M092-0	4-M092-S	2445.5	816.5	3 78.3	6 95.0	3741.3	3.60	1.27
1086.75	2-ATM	4-M171-0	4-M171-S	2444.5	816.4	3 77.6	6 95.0	3740.6	3.59	1.27
1087.75	4-EAT	4-EAT	4-EAT	2443.6	816.3	3 76.9	6 95.0	3739.9	3.59	1.27
1088.75	4-M071	4-M071	4-M071	2442.6	816.2	3 76.2	6 95.0	3739.2	3.60	1.26
1089.00	4-PLN	2-ATM	4-PLN	2442.4	816.2	3 76.1	6 95.0	3739.1	3.60	1.26
1090.00	4-R-R	4-R-R	4-R-R	2441.5	816.2	3 75.4	6 95.0	3738.4	3.60	1.26
1090.75	4-M487-9	4-M487-9	4-M487-9	2440.8	816.2	3 74.9	6 95.0	3737.9	3.60	1.26
1091.00	4-PH	4-PH	4-PH	2440.6	816.1	3 74.7	6 95.0	3737.7	3.60	1.26
1091.50	4-M071	4-M071	4-M071	2440.1	816.1	3 74.4	6 94.1	3736.4	3.60	1.26
1091.75	4-SLEEP	4-SLEEP	4-SLEEP	2439.9	816.1	3 74.2	6 94.1	3736.3	3.60	1.26
1099.75	4-PH	4-PH	4-PH	2432.6	815.9	4 668.8	6 94.1	3730.9	3.63	1.24
1100.25	4-EAT	4-EAT	4-EAT	2432.1	815.8	4 668.5	6 93.1	3729.6	3.63	1.24
1101.25	4-M071	4-M071	4-M071	2431.2	815.8	4 667.8	6 93.1	3728.9	3.63	1.23
1101.75	2-ATM	4-SYS-HK	4-OPEN	2430.7	815.8	4 667.4	6 93.1	3728.6	3.64	1.23
1103.25	4-OPEN	2-ATM	4-OPEN	2429.4	815.7	4 666.4	6 92.5	3726.9	3.64	1.23
1104.75	4-SYS-HK	2-ATM	4-OPEN	2428.0	815.7	4 665.4	6 92.5	3725.9	3.64	1.23
1105.75	4-EAT	2-ATMSYM	4-EAT	2427.1	815.6	4 664.7	6 92.0	3724.8	3.64	1.22
1106.75	4-M071	2-ATM	4-M071	2426.2	815.6	4 664.1	6 92.0	3724.1	3.65	1.22
1107.25	4-PH	2-ATM	4-PH	2425.8	815.6	4 663.7	6 92.0	3723.8	3.65	1.22
1107.63	4-PH	2-M071	4-PH	2425.4	815.6	4 663.5	6 91.6	3723.0	3.65	1.22
1107.75	2-ATM	2-M071	4-SYS-HK	2425.3	815.6	4 663.4	6 91.4	3722.8	3.65	1.22
1108.13	2-ATM	4-PH	4-SYS-HK	2425.0	815.6	4 663.1	6 91.2	3722.4	3.65	1.22
1108.63	2-ATM	4-OPEN	4-SYS-HK	2424.5	815.5	4 662.8	6 90.7	3721.5	3.65	1.22
1109.50	2-ATM	2-ATM	4-SYS-HK	2423.7	815.5	4 662.2	6 90.3	3720.5	3.65	1.22
1109.63	4-M092-S	2-ATM	4-M092-0	2423.6	815.5	4 662.1	6 90.3	3720.4	3.65	1.22
1110.75	4-M171-S	2-ATM	4-M171-0	2422.5	815.4	4 661.4	6 90.3	3719.6	3.64	1.21
1111.75	4-EAT	4-EAT	4-EAT	2421.6	815.3	4 660.7	6 90.3	3719.0	3.64	1.21
1112.75	4-M071	4-M071	4-M071	2420.7	815.2	4 660.0	6 90.3	3718.3	3.65	1.21
1113.00	4-PLN	4-PLN	2-ATM	2420.4	815.2	4 659.9	6 90.3	3718.1	3.65	1.21
1114.00	4-R-R	4-R-R	2-ATM	2419.5	815.2	4 659.2	6 90.3	3717.4	3.65	1.20
1115.00	4-PH	4-PH	4-PH	2418.6	815.2	4 658.5	6 90.3	3716.8	3.65	1.20
1115.50	4-M071	4-M071	4-M071	2418.1	815.2	4 658.2	6 89.3	3715.5	3.66	1.20
1115.75	4-SLEEP	4-SLEEP	4-SLEEP	2417.9	815.1	4 658.0	6 89.3	3715.3	3.66	1.20
1123.75	4-PH	4-PH	4-PH	2410.5	814.9	4 652.6	6 89.3	3709.9	3.68	1.18
1124.25	4-EAT	4-EAT	4-EAT	2410.0	814.9	4 652.3	6 88.4	3708.7	3.68	1.18
1125.25	4-M071	4-M071	4-M071	2409.1	814.8	4 651.6	6 88.4	3708.0	3.69	1.18
1125.75	4-SYS-HK	4-OFFDTY	4-OFFDTY	2408.7	814.8	4 651.2	6 88.4	3707.6	3.69	1.18
1127.25	4-OFFDTY	4-OFFDTY	4-OFFDTY	2407.3	814.8	4 650.2	6 87.7	3706.0	3.69	1.17
1129.75	4-EAT	4-EAT	4-EAT	2405.0	814.7	4 648.5	6 87.7	3704.3	3.70	1.17
1130.75	4-M071	4-M071	4-M071	2404.1	814.6	4 647.9	6 87.7	3703.6	3.70	1.17

TABLE 6.0-III.- Continued.

TIME	ASTRO1	ASTRO 2	ASTRO 3	O2 TANK	N2 TANK	MET-EXP H2O TANK	WMC H2O TANK	TOTAL H2O TNKS	O2 PP	N2 PP
1131.25	4-PH	4-PH	4-PH	2403.6	814.6	4 647.5	6 87.7	3703.3	3.70	1.17
1131.75	4-OFFDTY	4-SYS-HK	4-OFFDTY	2403.2	814.6	4 647.2	6 86.8	3702.0	3.70	1.16
1133.25	4-OFFDTY	4-OFFDTY	4-OFFDTY	2401.8	814.6	4 646.2	6 86.1	3700.3	3.70	1.16
1134.25	4-OFFDTY	4-OFFDTY	4-SYS-HK	2400.9	814.5	4 645.5	6 86.1	3699.6	3.71	1.16
1135.75	4-EAT	4-EAT	4-EAT	2399.5	814.5	4 644.5	6 85.5	3698.0	3.71	1.16
1136.75	4-M071	4-M071	4-M071	2398.6	814.4	4 643.8	6 85.5	3697.3	3.71	1.15
1137.00	4-PLN	4-PLN	4-PLN	2398.4	814.4	4 643.7	6 85.5	3697.1	3.71	1.15
1138.00	4-R-R	4-R-R	4-R-R	2397.4	814.4	4 643.0	6 85.5	3696.4	3.71	1.15
1139.00	4-PH	4-PH	4-PH	2396.5	814.4	4 642.3	6 85.5	3695.8	3.72	1.15
1139.50	4-M071	4-M071	4-M071	2396.1	814.3	4 642.0	6 84.5	3694.5	3.72	1.15
1139.75	4-SLEEP	4-SLEEP	4-SLEEP	2395.8	814.3	4 641.8	6 84.5	3694.3	3.72	1.15
1147.75	4-PH	4-PH	4-PH	2388.6	814.1	4 636.4	6 84.5	3688.9	3.74	1.13
1148.25	4-EAT	4-EAT	4-EAT	2388.1	814.1	4 636.1	6 83.6	3687.7	3.74	1.13
1149.25	4-M071	4-M071	4-M071	2387.2	814.0	4 635.4	6 83.6	3687.0	3.75	1.13
1149.76	2-ATM	4-SYS-HK	4-OPEN	2386.8	814.0	4 635.0	6 83.6	3686.6	3.75	1.13
1150.25	2-ATM	4-SYS-HK	4-SYS-HK	2386.2	814.0	4 634.7	6 83.4	3686.1	3.75	1.12
1152.13	2-ATM	4-M092-S	4-M092-O	2384.6	813.9	4 633.4	6 81.7	3683.1	3.75	1.12
1153.25	2-ATM	4-M093-S	4-M093-O	2383.6	813.8	4 632.7	6 81.7	3682.4	3.74	1.12
1153.75	4-EAT	4-EAT	2-ATMSYM	2383.1	813.8	4 632.3	6 81.7	3682.1	3.74	1.11
1154.75	4-M071	4-M071	2-ATM	2382.2	813.7	4 631.7	6 81.7	3681.4	3.74	1.11
1155.25	4-OPEN	4-PH	2-ATM	2381.7	813.7	4 631.3	6 81.7	3681.0	3.74	1.11
1155.58	2-EREPDP	4-PH	2-ATM	2381.4	813.7	4 631.1	6 81.5	3680.6	3.74	1.11
1155.75	2-EREPDP	2-ATM	2-ATM	2381.2	813.7	4 631.0	6 81.4	3680.4	3.74	1.11
1155.78	2-EREPDP	2-ATM	4-PH	2381.2	813.7	4 631.0	6 81.4	3680.4	3.74	1.11
1156.28	2-EREPDP	2-ATM	4-OPEN	2380.7	813.7	4 630.6	6 81.1	3679.7	3.75	1.11
1156.59	2-EREPDP	2-EREP	4-EREP	2380.4	813.7	4 630.4	6 81.1	3679.5	3.75	1.11
1157.47	2-EREPDP	2-ATM	4-SYS-HK	2379.6	813.6	4 629.8	6 81.1	3678.9	3.75	1.11
1157.67	2-ATM	2-ATM	4-SYS-HK	2379.4	813.6	4 629.7	6 81.0	3678.7	3.75	1.11
1158.13	2-ATM	4-M092-0	4-M092-S	2379.0	813.6	4 629.4	6 80.8	3678.2	3.75	1.11
1159.25	4-PH	4-M093-0	4-M093-S	2377.9	813.5	4 628.6	6 80.8	3677.4	3.74	1.10
1159.75	4-EAT	4-EAT	4-EAT	2377.4	813.5	4 628.3	6 80.5	3676.8	3.74	1.10
1160.75	4-M071	4-M071	4-M071	2376.5	813.4	4 627.6	6 80.5	3676.1	3.74	1.10
1161.00	4-PLN	2-ATM	4-PLN	2376.2	813.4	4 627.4	6 80.5	3675.9	3.74	1.10
1162.00	4-R-R	2-ATM	4-R-R	2375.3	813.4	4 626.8	6 80.5	3675.3	3.75	1.10
1163.00	4-PH	4-PH	4-PH	2374.3	813.4	4 626.1	6 80.5	3674.6	3.75	1.09
1163.50	4-M071	4-M071	4-M071	2373.8	813.3	4 625.8	6 79.6	3673.3	3.75	1.09
1163.75	4-SLEEP	4-SLEEP	4-SLEEP	2373.6	813.3	4 625.6	6 79.6	3673.1	3.75	1.09
1171.75	4-PH	4-PH	4-PH	2366.0	813.1	4 620.2	6 79.6	3667.7	3.78	1.08
1172.25	4-EAT	4-EAT	4-EAT	2365.6	813.1	4 619.9	6 78.6	3666.5	3.78	1.07
1173.25	4-M071	4-M071	4-M071	2364.6	813.0	4 619.2	6 78.6	3665.8	3.79	1.07
1173.75	2-ATM	4-SYS-HK	4-OPEN	2364.2	813.0	4 618.8	6 78.6	3665.5	3.79	1.07
1175.25	2-ATM	4-OPEN	4-OPEN	2362.8	813.0	4 617.8	6 78.0	3663.8	3.79	1.07
1176.25	2-ATM	4-OPEN	4-SYS-HK	2361.8	812.9	4 617.2	6 78.0	3663.1	3.79	1.07
1177.75	2-ATMSYM	4-EAT	4-EAT	2360.5	812.9	4 616.1	6 77.3	3661.4	3.80	1.06
1178.75	2-ATM	4-PH	4-M071	2359.5	812.8	4 615.5	6 77.3	3660.8	3.80	1.06
1179.25	2-M071	4-PH	4-PH	2359.3	812.6	4 615.1	6 77.3	3660.4	3.80	1.06
1179.75	4-PH	2-ATM	4-OPEN	2359.3	812.2	4 614.8	6 76.7	3659.5	3.79	1.07
1180.25	4-OPEN	2-ATM	4-OPEN	2359.3	811.7	4 614.5	6 76.4	3658.8	3.79	1.08
1180.75	4-SYS-HK	2-ATM	4-OPEN	2359.2	811.2	4 614.1	6 76.4	3658.5	3.78	1.08
1182.13	4-M092-S	2-ATM	4-M092-0	2359.2	809.9	4 613.2	6 75.7	3656.9	3.76	1.10

TABLE 6.0 -Ⅲ.- Continued..

TIME	ASTRO1	ASTRO 2	ASTRO 3	O2 TANK	N2 TANK	MET-EXP H2O TANK		WHC H2O TANK		TOTAL H2O TNKS	O2 PP	N2 PP
1183.25	4-M093-S	2-ATM	4-M093-0	2359.2	808.7	4	612.4	6	75.7	3656.2	3.74	1.12
1183.75	4-EAT	4-EAT	4-EAT	2359.2	808.2	4	612.1	6	75.7	3655.8	3.73	1.12
1184.75	4-M071	4-M071	4-M071	2359.2	807.3	4	611.4	6	75.7	3655.2	3.72	1.14
1185.00	4-PLN	2-ATM	4-PLN	2359.2	807.0	4	611.2	6	75.7	3655.0	3.72	1.14
1186.00	4-R-R	2-ATM	4-R-R	2359.2	804.1	4	610.6	6	75.7	3654.3	3.70	1.16
1187.00	4-PH	4-PH	4-PH	2359.2	805.1	4	609.9	6	75.7	3653.6	3.69	1.17
1187.50	4-M071	4-M071	4-M071	2359.2	804.6	4	609.6	6	74.8	3652.4	3.69	1.18
1187.75	4-SLEEP	4-SLEEP	4-SLEEP	2359.2	804.4	4	609.4	6	74.8	3652.2	3.68	1.18
1195.75	4-PH	4-PH	4-PH	2359.2	797.0	4	604.0	6	74.8	3646.8	3.60	1.29
1196.25	4-EAT	4-EAT	4-EAT	2358.8	797.0	4	603.7	6	73.9	3645.5	3.60	1.28
1197.25	4-M071	4-M071	4-M071	2357.9	796.9	4	603.0	6	73.9	3644.9	3.60	1.28
1197.75	2-ATM	4-SYS-HK	4-OPEN	2357.5	794.9	4	602.6	6	73.9	3644.5	3.60	1.28
1199.25	2-ATM	4-OPEN	4-OPEN	2356.2	796.9	4	601.6	6	73.2	3642.8	3.61	1.28
1201.75	4-EAT	2-ATMSYM	4-EAT	2354.0	796.8	4	599.9	6	73.2	3641.1	3.61	1.27
1202.75	4-M071	2-M071	4-M071	2353.1	796.7	4	599.3	6	73.2	3640.5	3.61	1.27
1203.25	4-PH	2-ATM	4-PH	2352.7	796.7	4	598.9	6	73.2	3640.1	3.61	1.27
1203.75	4-SYS-HK	2-ATM	4-OPEN	2352.2	796.7	4	598.6	6	72.6	3639.2	3.61	1.27
1204.75	4-SYS-HK	2-ATM	4-SYS-HK	2351.3	796.7	4	597.9	6	72.1	3638.1	3.62	1.26
1205.37	2-EREPDP	2-ATM	4-SYS-HK	2350.8	796.7	4	597.5	6	71.6	3637.1	3.62	1.26
1205.87	2-EREPDP	4-PH	4-SYS-HK	2350.3	796.6	4	597.2	6	71.4	3636.5	3.62	1.26
1206.37	2-EREPDP	4-PH	4-EREP	2349.9	796.6	4	596.8	7	670.8	3635.7	3.62	1.26
1207.25	2-EREPDP	4-OPEN	4-OPEN	2349.1	796.6	4	596.2	7	670.8	3635.1	3.62	1.26
1207.45	4-OPEN	4-OPEN	4-OPEN	2348.9	796.6	4	596.1	7	670.8	3634.9	3.62	1.26
1207.75	4-EAT	4-EAT	4-EAT	2348.7	796.6	4	595.9	7	670.8	3634.7	3.62	1.26
1208.75	4-M071	4-M071	4-M071	2347.8	796.5	4	595.2	7	670.8	3634.0	3.62	1.25
1209.00	4-PLN	4-PLN	2-ATM	2347.6	796.5	4	595.0	7	670.8	3633.9	3.62	1.25
1210.00	4-R-R	4-R-R	2-ATM	2346.7	796.5	4	594.4	7	670.8	3633.2	3.63	1.25
1211.00	4-PH	4-PH	4-PH	2345.8	796.5	4	593.7	7	670.8	3632.5	3.63	1.25
1211.50	4-M071	4-M071	4-M071	2345.4	796.4	4	593.4	7	669.9	3631.3	3.63	1.25
1211.75	4-SLEEP	4-SLEEP	4-SLEEP	2345.1	796.4	4	593.2	7	669.9	3631.1	3.63	1.25
1219.75	4-PH	4-PH	4-PH	2338.1	796.2	4	587.8	7	669.9	3625.7	3.65	1.23
1220.25	4-EAT	4-EAT	4-EAT	2337.6	796.2	4	587.5	7	669.0	3624.4	3.65	1.23
1221.25	4-M071	4-M071	4-M071	2336.7	796.1	4	586.8	7	669.0	3623.7	3.66	1.23
1221.75	2-ATM	4-SYS-HK	4-SYS-HK	2336.3	796.1	4	586.4	7	669.0	3623.4	3.66	1.22
1223.63	2-ATM	4-M092-S	4-M092-0	2334.6	794.0	4	585.2	7	667.3	3620.5	3.66	1.22
1224.75	2-ATM	4-M171-S	4-M171-0	2333.6	795.9	4	584.4	7	667.3	3619.7	3.65	1.21
1225.07	2-ATMSYM	4-M171	4-M171-0	2333.3	795.8	4	584.2	7	667.3	3619.5	3.65	1.21
1225.75	2-ATMSYM	2-ATMSYM	2-ATMSYM	2332.7	795.8	4	583.7	7	667.3	3619.0	3.65	1.21
1226.07	4-M071	2-ATMSYM	2-ATMSYM	2332.4	795.8	4	583.5	7	667.3	3618.8	3.65	1.21
1226.57	4-PH	2-ATMSYM	2-ATMSYM	2331.9	795.8	4	583.2	7	667.3	3618.5	3.65	1.21
1226.75	4-PH	2-ATM	2-ATM	2331.8	795.8	4	583.1	7	667.2	3618.2	3.65	1.21
1227.07	2-EREPDP	2-ATM	2-ATM	2331.5	795.8	4	582.9	7	667.0	3617.8	3.65	1.21
1227.25	2-EREPDP	4-M071	4-M071	2331.3	795.7	4	582.7	7	667.0	3617.7	3.66	1.21
1227.75	2-EREPDP	4-OPEN	4-OPEN	2330.9	795.7	4	582.4	7	667.0	3617.4	3.66	1.21
1228.07	2-EREPDP	4-EREP	4-EREP	2330.6	795.7	4	582.2	7	667.0	3617.2	3.66	1.21
1228.95	2-EREPDP	4-PH	4-PH	2329.8	795.7	4	581.6	7	667.0	3616.6	3.66	1.21
1229.17	2-ATM	4-PH	4-PH	2329.6	795.7	4	581.4	7	666.7	3616.1	3.66	1.21
1229.45	2-ATM	4-OPEN	4-OPEN	2329.3	795.7	4	581.2	7	666.4	3615.6	3.66	1.20
1229.63	2-ATM	4-M092-0	4-M092-S	2329.1	795.7	4	581.1	7	666.4	3615.5	3.66	1.20
1230.75	2-ATM	4-M171-0	4-M171-S	2328.1	795.5	4	580.4	7	666.4	3614.7	3.65	1.20

TABLE 6.0 -III.- Continued.

TIME	ASTRO1	ASTRO 2	ASTRO 3	O2 TANK	N2 TANK	MET-EXP H2O TANK	WMC H2O TANK	TOTAL H2O TNKS	O2 PP	N2 PP
1231.75	4-EAT	4-EAT	4-EAT	2327.1	795.4	4 579.7	7 666.4	3614.1	3.65	1.20
1232.75	4-M071	4-M071	4-M071	2326.2	795.4	4 579.0	7 666.4	3613.4	3.66	1.20
1233.00	2-ATM	4-PLN	4-PLN	2326.0	795.4	4 578.8	7 666.4	3613.2	3.66	1.20
1234.00	2-ATM	4-R-R	4-R-R	2325.0	795.4	4 578.2	7 666.4	3612.5	3.66	1.19
1235.00	4-PH	4-PH	4-PH	2324.1	795.3	4 577.5	7 666.4	3611.9	3.66	1.19
1235.50	4-M071	4-M071	4-M071	2323.6	795.3	4 577.2	7 665.4	3610.6	3.66	1.19
1235.75	4-SLEEP	4-SLEEP	4-SLEEP	2323.4	795.3	4 577.0	7 665.4	3610.4	3.66	1.19
1243.75	4-PH	4-PH	4-PH	2315.9	795.0	4 571.6	7 665.4	3605.0	3.69	1.17
1244.25	4-EAT	4-EAT	4-EAT	2315.5	795.0	4 571.3	7 664.5	3603.7	3.69	1.17
1245.25	4-M071	4-M071	4-M071	2314.6	795.0	4 570.6	7 664.5	3603.1	3.70	1.17
1245.75	4-SYS-HK	4-OPEN	2-ATM	2314.1	795.0	4 570.2	7 664.5	3602.7	3.70	1.17
1247.25	4-OPEN	4-OPEN	2-ATM	2312.7	794.9	4 569.2	7 663.8	3601.1	3.70	1.16
1248.25	4-OPEN	4-SYS-HK	2-ATM	2311.8	794.9	4 568.6	7 663.8	3600.4	3.70	1.16
1249.75	2-ATMSYM	4-EAT	4-EAT	2310.4	794.8	4 567.5	7 663.2	3598.7	3.71	1.16
1250.75	2-M071	4-M071	4-M071	2309.5	794.8	4 566.9	7 663.2	3598.0	3.71	1.16
1251.25	2-ATM	4-PH	4-PH	2309.0	794.8	4 566.5	7 663.2	3597.7	3.71	1.16
1251.75	2-ATM	4-T003-2	4-SYS-HK	2308.6	794.8	4 566.2	7 662.5	3596.7	3.71	1.15
1252.08	2-ATM	4-OPEN	4-SYS-HK	2308.3	794.7	4 566.0	7 662.4	3596.4	3.71	1.15
1252.75	2-ATM	2-ATM	4-SYS-HK	2307.7	794.7	4 565.5	7 662.1	3595.6	3.71	1.15
1253.13	4-PH	2-ATM	4-SYS-HK	2307.3	794.7	4 565.3	7 661.9	3595.2	3.71	1.15
1253.63	4-M092-S	2-ATM	4-M092-0	2306.9	794.7	4 564.9	7 661.4	3594.3	3.72	1.15
1254.75	4-M171-S	2-ATM	4-M171-0	2305.8	794.6	4 564.2	7 661.4	3593.6	3.70	1.15
1255.75	4-EAT	4-EAT	4-EAT	2304.9	794.5	4 563.5	7 661.4	3592.9	3.71	1.14
1256.50	4-EAT	4-EAT	4-T003-3	2304.2	794.4	4 563.0	7 661.4	3592.4	3.71	1.14
1256.75	4-M071	4-M071	4-M071	2303.9	794.4	4 562.8	7 661.4	3592.2	3.71	1.14
1257.00	4-PLN	2-ATM	4-PLN	2303.7	794.4	4 562.6	7 661.4	3592.0	3.71	1.14
1258.00	4-R-R	2-ATM	4-R-R	2302.7	794.4	4 562.0	7 661.4	3591.4	3.71	1.14
1259.00	4-PH	4-PH	4-PH	2301.8	794.4	4 561.3	7 661.4	3590.7	3.72	1.14
1259.50	4-M071	4-M071	4-M071	2301.3	794.3	4 561.0	7 660.5	3589.4	3.72	1.14
1259.75	4-SLEEP	4-SLEEP	4-SLEEP	2301.1	794.3	4 560.8	7 660.5	3589.2	3.72	1.14
1267.75	4-PH	4-PH	4-PH	2293.7	794.1	4 555.4	7 660.5	3583.8	3.74	1.12
1268.25	4-EAT	4-EAT	4-EAT	2293.2	794.0	4 555.1	7 659.5	3582.6	3.75	1.12
1269.25	4-M071	4-M071	4-M071	2292.3	794.0	4 554.4	7 659.5	3581.9	3.75	1.12
1269.75	3-EVAPRP	4-SYS-HK	3-EVAPRP	2291.8	794.0	4 554.0	7 659.5	3581.6	3.75	1.11
1270.75	3-HDWPRP	4-SYS-HK	3-HDWPRP	2290.9	794.0	4 553.4	7 659.1	3580.4	3.75	1.11
1271.25	3-DONSUT	4-SYS-HK	3-DONSUT	2290.4	793.9	4 553.0	7 658.9	3579.9	3.75	1.11
1271.50	3-SUTACT	4-SYS-HK	3-SUTACT	2290.2	793.9	4 552.9	7 658.7	3579.6	3.75	1.11
1272.08	3-EGRESS	4-SYS-HK	3-EGRESS	2279.6	793.6	4 552.5	7 658.5	3579.0	3.90	1.11
1272.42	3-EVA	2-EVAMON	3-EVA	2273.5	793.4	4 552.2	7 658.3	3578.6	3.90	1.11
1274.75	3-INGRES	4-SYS-HK	3-INGRES	2231.5	792.2	4 550.7	7 658.3	3577.0	3.89	1.11
1275.25	3-DESUIT	4-SYS-HK	3-DESUIT	2222.5	791.9	4 550.3	7 658.1	3576.4	3.89	1.11
1275.42	3-PSTEVA	4-EXPDOF	3-PSTEVA	2222.5	791.8	4 550.2	7 658.0	3576.3	3.82	1.12
1275.92	3-PSTEVA	4-DEACT3	3-PSTEVA	2222.5	791.4	4 549.9	7 658.0	3575.9	3.81	1.13
1276.75	3-PSTEVA	4-OPEN	3-PSTEVA	2222.5	790.7	4 549.3	7 658.0	3575.4	3.79	1.14
1277.42	4-EAT	4-EAT	4-EAT	2222.5	790.2	4 548.9	7 658.0	3574.9	3.78	1.15
1278.42	4-M071	4-M071	4-M071	2222.5	789.4	4 548.2	7 658.0	3574.2	3.77	1.16
1278.92	4-PH	4-PH	4-PH	2222.5	789.0	4 547.8	7 658.0	3573.9	3.76	1.16
1279.42	4-SYS-HK	4-OPEN	4-OPEN	2222.5	788.5	4 547.5	7 657.1	3572.6	3.76	1.17
1280.75	4-SYS-HK	4-OPEN	4-M074	2222.5	787.5	4 546.6	7 656.5	3571.1	3.74	1.18
1281.25	4-SYS-HK	4-OPEN	4-M172	2222.5	787.1	4 546.3	7 656.3	3570.6	3.74	1.19

TABLE 6.0 -Ⅲ. - Continued.

TIME	ASTRO1	ASTRO 2	ASTRO 3	O2 TANK	N2 TANK	MET-EXP H2O TANK	WMC H2O TANK	TOTAL H2O TNKS	O2 PP	N2 PP
1281.50	4-SYS-HK	4-OPEN	4-OPEN	2222.5	786.8	4 546.1	7 656.2	3570.3	3.73	1.19
1281.75	4-EAT	4-EAT	4-EAT	2222.5	786.6	4 545.9	7 656.1	3570.0	3.73	1.19
1282.75	4-M071	4-M071	4-M071	2222.5	785.8	4 545.3	7 656.1	3569.3	3.72	1.21
1283.25	4-PH	4-PH	4-PH	2222.5	785.4	4 544.9	7 656.1	3569.0	3.71	1.21
1283.75	4-SLEEP	4-SLEEP	4-SLEEP	2222.5	785.0	4 544.6	7 655.1	3567.7	3.71	1.22
1291.75	4-PH	4-PH	4-PH	2222.5	778.5	4 539.2	7 655.1	3562.3	3.62	1.31
1292.25	4-EAT	4-EAT	4-EAT	2222.5	778.1	4 538.9	7 654.2	3561.1	3.62	1.31
1293.25	4-M071	4-M071	4-M071	2222.5	777.3	4 538.2	7 654.2	3560.4	3.60	1.32
1293.75	4-SYS-HK	4-OFFDTY	4-OFFDTY	2222.4	777.0	4 537.8	7 654.2	3560.0	3.60	1.33
1295.25	4-OFFDTY	4-OFFDTY	4-OFFDTY	2221.3	776.9	4 536.8	7 653.5	3558.4	3.60	1.32
1297.75	4-EAT	4-EAT	4-EAT	2219.3	776.8	4 535.1	7 653.5	3556.7	3.60	1.32
1298.75	4-M071	4-M071	4-M071	2218.5	776.8	4 534.5	7 653.5	3556.0	3.60	1.31
1299.25	4-PH	4-PH	4-PH	2218.1	776.8	4 534.1	7 653.5	3555.7	3.60	1.31
1299.75	4-OFFDTY	4-SYS-HK	4-OFFDTY	2217.7	776.8	4 533.8	7 652.6	3554.4	3.60	1.31
1301.00	4-OFFDTY	4-SYS-HK	4-SYS-HK	2216.6	776.7	4 532.9	7 652.1	3553.0	3.60	1.31
1301.25	4-OFFDTY	4-SYS-HK	4-SYS-HK	2216.4	776.7	4 532.8	7 651.8	3552.6	3.60	1.31
1302.50	4-EXPDOF	4-EXPDOF	4-EXPDOF	2215.4	776.7	4 531.9	7 651.3	3551.2	3.60	1.31
1303.75	4-EAT	4-EAT	4-EAT	2214.4	776.6	4 531.1	7 651.3	3550.4	3.60	1.30
1304.75	4-M071	4-M071	4-M071	2213.6	776.6	4 530.4	7 651.3	3549.7	3.60	1.30
1305.00	4-PLN	4-PLN	4-PLN	2213.3	776.6	4 530.2	7 651.3	3549.5	3.60	1.30
1306.00	4-R-R	4-R-R	4-R-R	2212.5	776.6	4 529.5	7 651.3	3548.8	3.61	1.30
1307.00	4-PH	4-PH	4-PH	2211.7	776.5	4 528.9	7 651.3	3548.2	3.61	1.29
1307.50	4-M071	4-M071	4-M071	2211.3	776.5	4 528.6	7 650.3	3546.9	3.61	1.29
1307.75	4-SLEEP	4-SLEEP	4-SLEEP	2211.0	776.5	4 528.4	7 650.3	3546.7	3.61	1.29
1315.75	4-PH	4-PH	4-PH	2204.3	776.2	4 523.0	7 650.3	3541.3	3.63	1.27
1316.25	4-EAT	4-EAT	4-EAT	2203.9	776.2	4 522.7	7 649.4	3540.1	3.63	1.27
1317.25	4-M071	4-M071	4-M071	2203.0	776.2	4 522.0	7 649.4	3539.4	3.63	1.27
1317.75	4-CHPOTW	4-EXPDOF	4-INVTRY	2202.6	774.2	4 521.6	7 649.4	3539.0	3.63	1.27
1320.00	4-SYSCLR	4-WSBLOW	4-DEH2O	2200.7	776.0	4 502.1	7 649.4	3519.5	3.63	1.26
1320.25	4-SYSCLR	4-REFRIG	4-DETCS	2200.5	775.9	4 479.6	7 649.4	3497.0	3.63	1.26
1320.50	4-SYSCLR	4-DECOM	4-LIGHTS	2200.3	775.9	4 479.6	7 649.4	3497.0	3.63	1.26
1320.75	4-SYSCLR	4-EPS	4-PLUG	2200.0	775.9	4 479.6	7 649.4	3497.0	3.63	1.26
1321.00	2-SYSCLR	2-DEACT2	2-DEACT2	2199.8	775.9	4 479.6	7 649.4	3497.0	3.63	1.26
1321.50	2-DELOCK	2-DECOND	3-DEMOLS	2199.4	775.9	4 479.6	7 649.4	3497.0	3.63	1.26
1321.75	2-O2/N2	2-C/W	2-FANS	2199.2	775.9	4 479.6	7 649.4	3497.0	3.63	1.26
1322.00	2-O2/N2	2-ATM/AM	2-ATM/AM	2199.0	775.9	4 479.6	7 649.4	3497.0	3.63	1.26
1322.25	2-PANEL	2-DECOM	2-LIGHTS	2198.7	775.9	4 479.6	7 649.4	3497.0	3.63	1.26
1322.50	2-SYSCLR	2-DEACTI	2-DEMOLS	2198.5	775.9	4 479.6	7 649.4	3497.0	3.63	1.26
1322.75	2-SYSCLR	2-CHECK	2-PLUG	2198.3	775.9	4 479.6	7 649.4	3497.0	3.63	1.26
1322.88	1-SYSCLR	1-CHECK	1-HATCH1	2198.2	775.9	4 479.6	7 649.4	3497.0	3.63	1.26
1323.00	1-EAT	1-EAT	1-EAT	2198.2	775.9	4 479.6	7 649.4	3497.0	3.63	1.26
1324.00	1-M071	1-M071	1-M071	2198.2	775.9	4 479.6	7 649.4	3497.0	3.63	1.25
1324.33	1-P61IMU	1-DISUMB	1-PLUG	2198.2	775.9	4 479.6	7 649.4	3497.0	3.63	1.25
1324.75	1-P51IMU	1-CHECK	1-DEACTI	2198.2	775.9	4 479.6	7 649.4	3497.0	3.62	1.25
1325.00	1-P51IMU	1-P51IMU	1-P51IMU	2198.2	775.8	4 479.6	7 649.4	3497.0	3.62	1.25
1325.50	1-P521MU	1-P521MU	1-P521MU	2198.2	775.8	4 479.6	7 649.4	3497.0	3.62	1.25
1326.75	1-OPEN	1-OPEN	1-OPEN	2198.2	775.8	4 479.6	7 649.4	3497.0	3.62	1.25
1328.75	1-EAT	1-EAT	1-EAT	2198.2	775.8	4 479.6	7 649.4	3497.0	3.61	1.25
1329.75	1-M071	1-M071	1-M071	2198.2	775.8	4 479.6	7 649.4	3497.0	3.60	1.25
1330.00	1-RENTRY	1-SYSCK	1-RENTRY	2198.2	775.8	4 479.6	7 649.4	3497.0	3.60	1.25

TABLE 6.0 -Ⅲ.- Concluded.

TIME	ASTRO1	ASTRO 2	ASTRO 3	O2 TANK	N2 TANK	MET-EXP H2O TANK	WMC H2O TANK	TOTAL H2O TNKS	O2 PP	N2 PP
1331.75	1-SLEEP	1-SLEEP	1-SLEEP	2198.2	775.8	4 479.6	7 649.4	3497.0	3.59	1.24
1339.75	1-CMPH	1-CMPH	1-CMPH	2198.2	775.8	4 479.6	7 649.4	3497.0	3.56	1.23
1340.25	1-EAT	1-EAT	1-EAT	2198.2	775.8	4 479.6	7 649.4	3497.0	3.56	1.23
1341.25	1-M071	1-M071	1-M071	2198.2	775.8	4 479.6	7 649.4	3497.0	3.55	1.23
1341.75	1-CSMACT	1-P52IMU	1-P52IMU	2198.2	775.8	4 479.6	7 649.4	3497.0	3.55	1.23
1343.92	1-UNDOCK	1-UNDOCK	1-UNDOCK	2198.2	775.8	4 479.6	7 649.4	3497.0	3.54	1.22

7.0 CONCLUSION

The Skylab ECS consumables requirements and the performance of the gas distribution and pressurization subsystem in reference to the experiments performance and the activities of the Skylab 2, 3, and 4 Preliminary Reference Interim Revision Flight Plan have been presented in this report.

The Skylab ECS consumables requirements for the SL-1/2, -1/3, and -1/4 missions allow margins as follows:

	End of mission margin, percent		
Mission	Oxygen	Nitrogen	Water
SL-1/2	83.5	90.7	88.7
SL-3	57.1	63.8	67.3
SL-4	30.8	43.7	46.5

These margins do not include dispersions, contingency requirements, or redlines. When defined, these safety provisions will be added to the consumables budget. The medical provision to increase the metabolic usage rate of water from 5.4 lb/man-day to 8.0 lb/man-day will reduce the end of mission margins to 85.3 percent for SL-2, 56.8 percent for SL-3, and to 28.9 percent for SL-4.

The significant effects of maneuvering experiments M509 and T020 upon the OAM atmosphere have been noted in this report. The pressure problems are being evaluated jointly with FCD and FCSD through the Experiment Operations Panel meetings.

The results of this document will be updated upon availability of the July edition to the flight plan. Comments regarding the contents of this document should be directed to Cynthia Wells or Harry Kolkhorst of the Consumables Analysis Section, Manned Spacecraft Center, Houston, Texas (1-713-483-4581).

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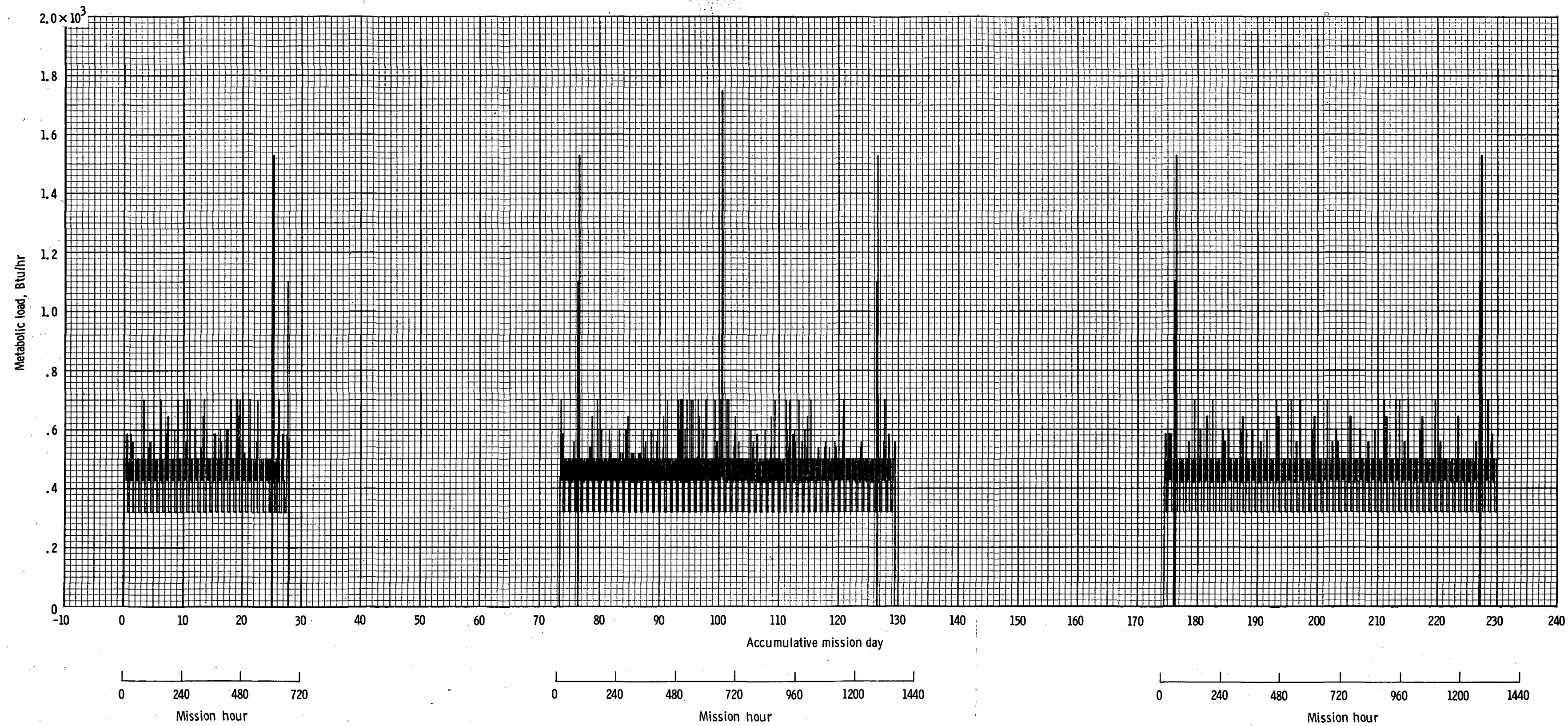
Figure 1. - Metabolic heat loads - astronaut 1.

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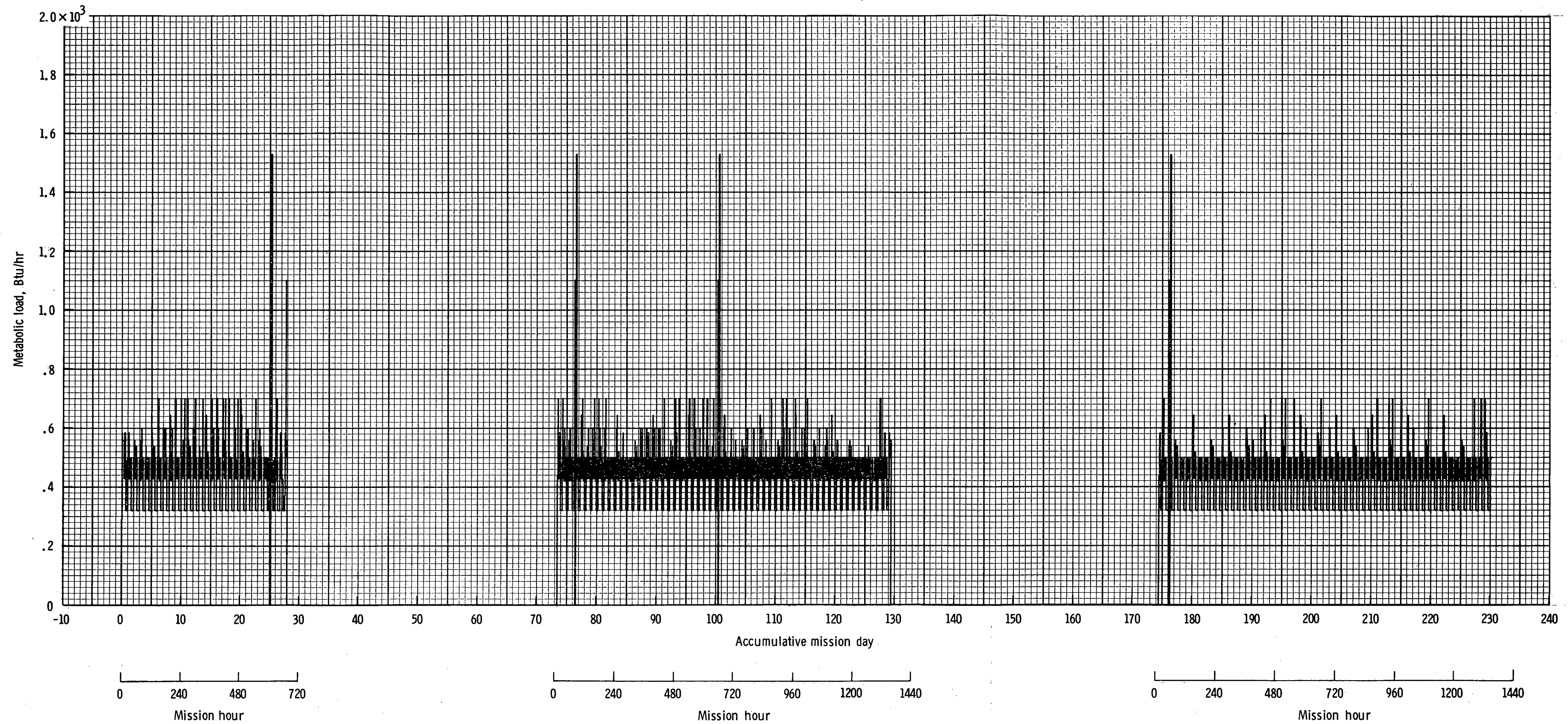
Figure 2. – Metabolic heat loads – astronaut 2.

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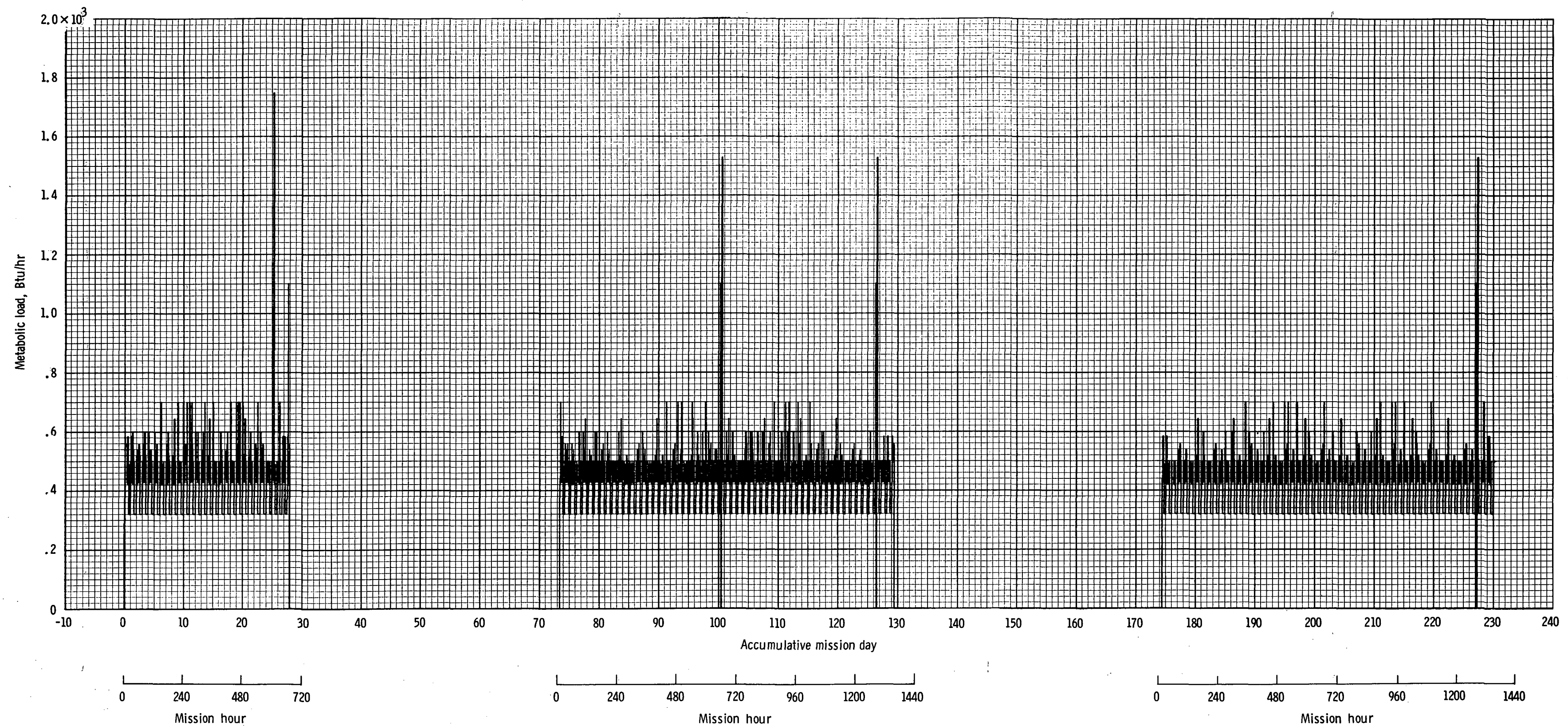
Figure 3. – Metabolic heat loads – astronaut 3.

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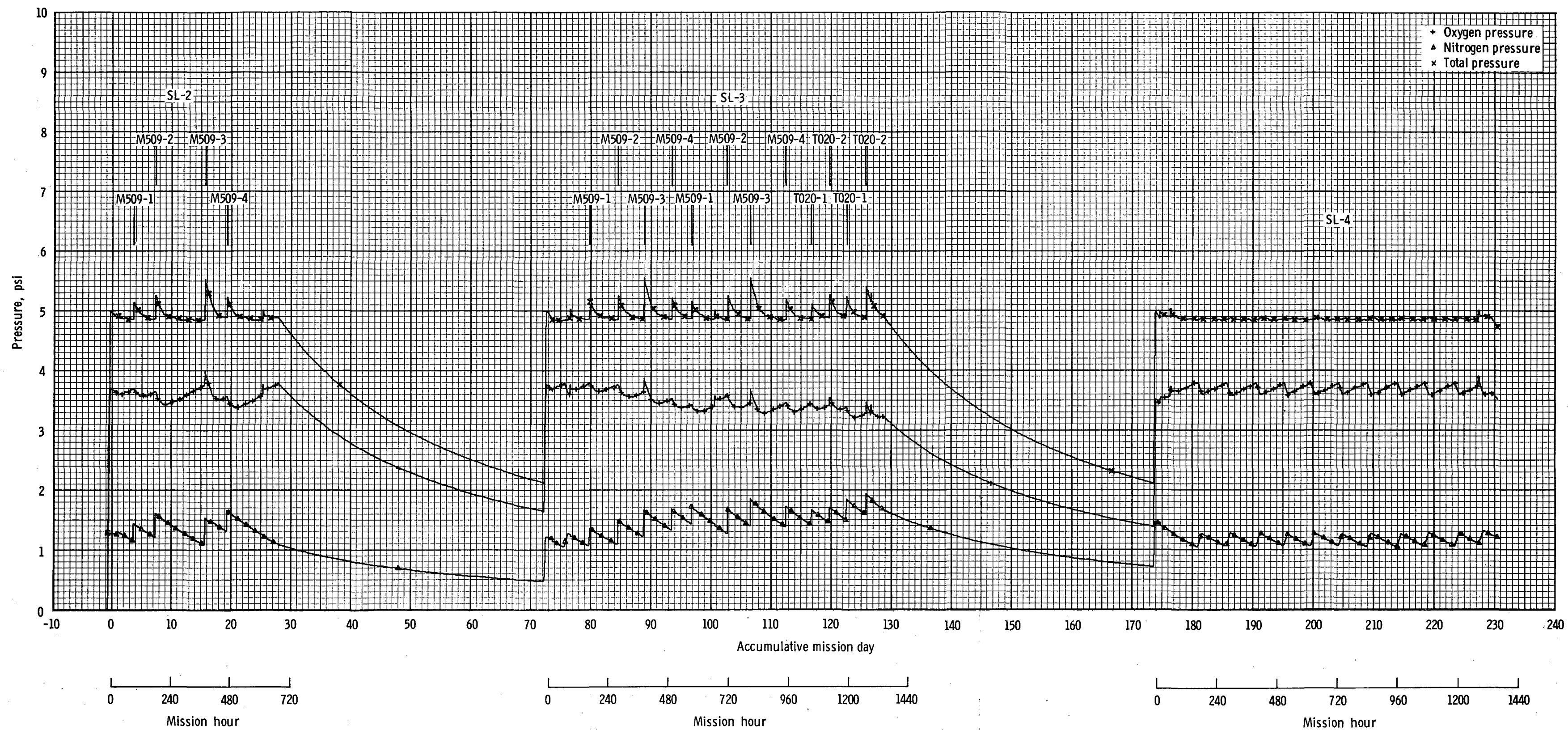
Figure 4. - Oxygen and nitrogen partial pressure and total pressure.

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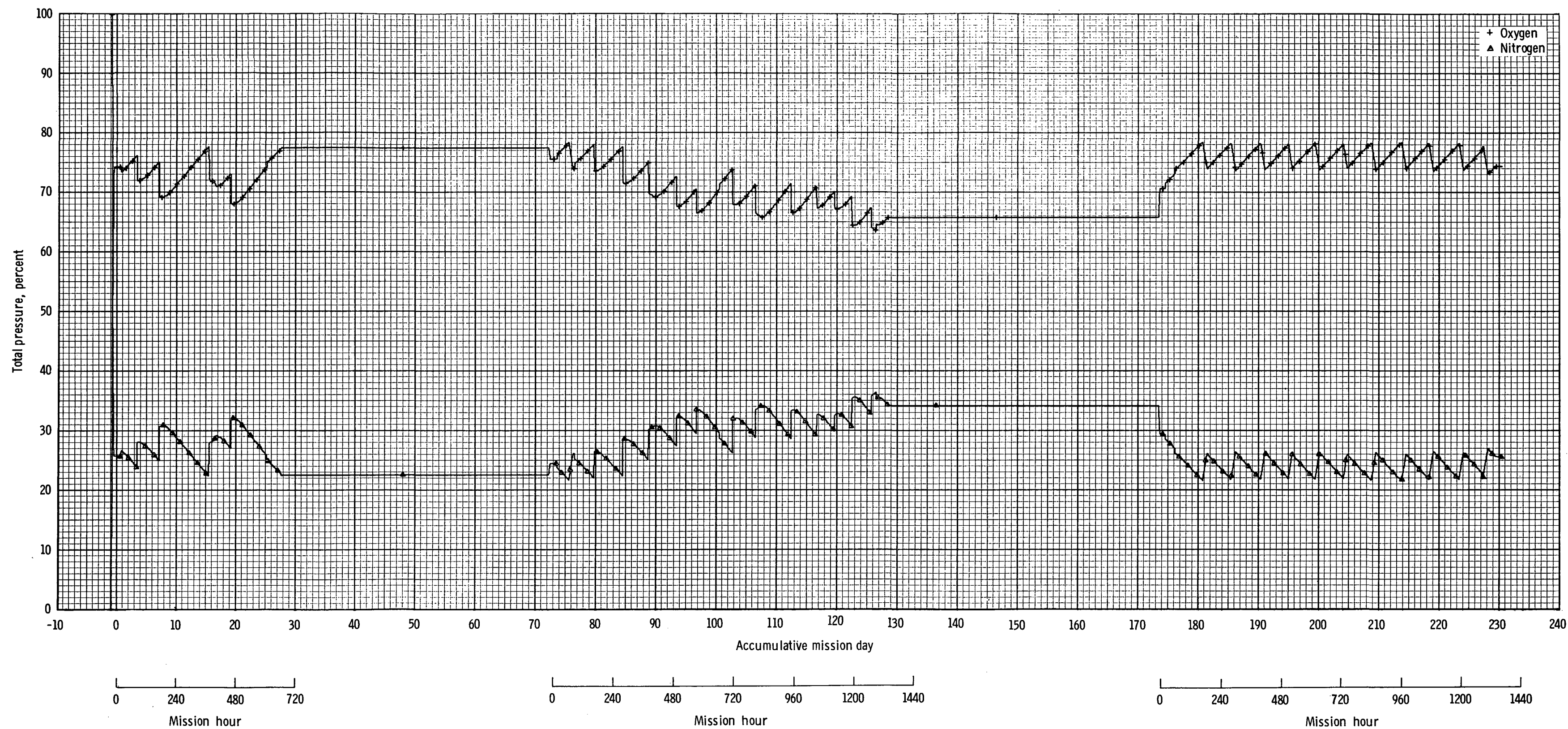
Figure 5. – Oxygen and nitrogen percent of total pressure.

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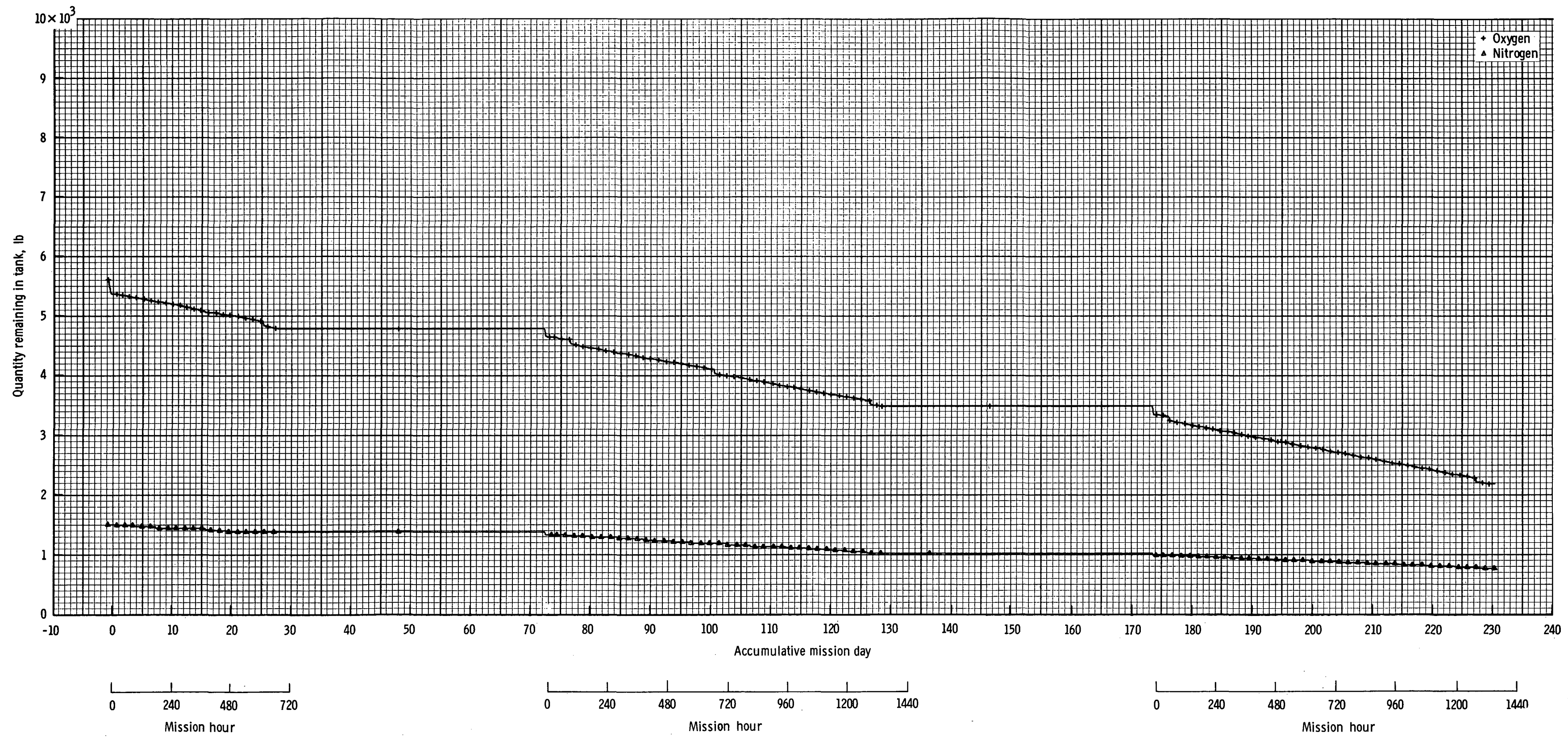
Figure 6. – Cumulative oxygen and nitrogen requirements.

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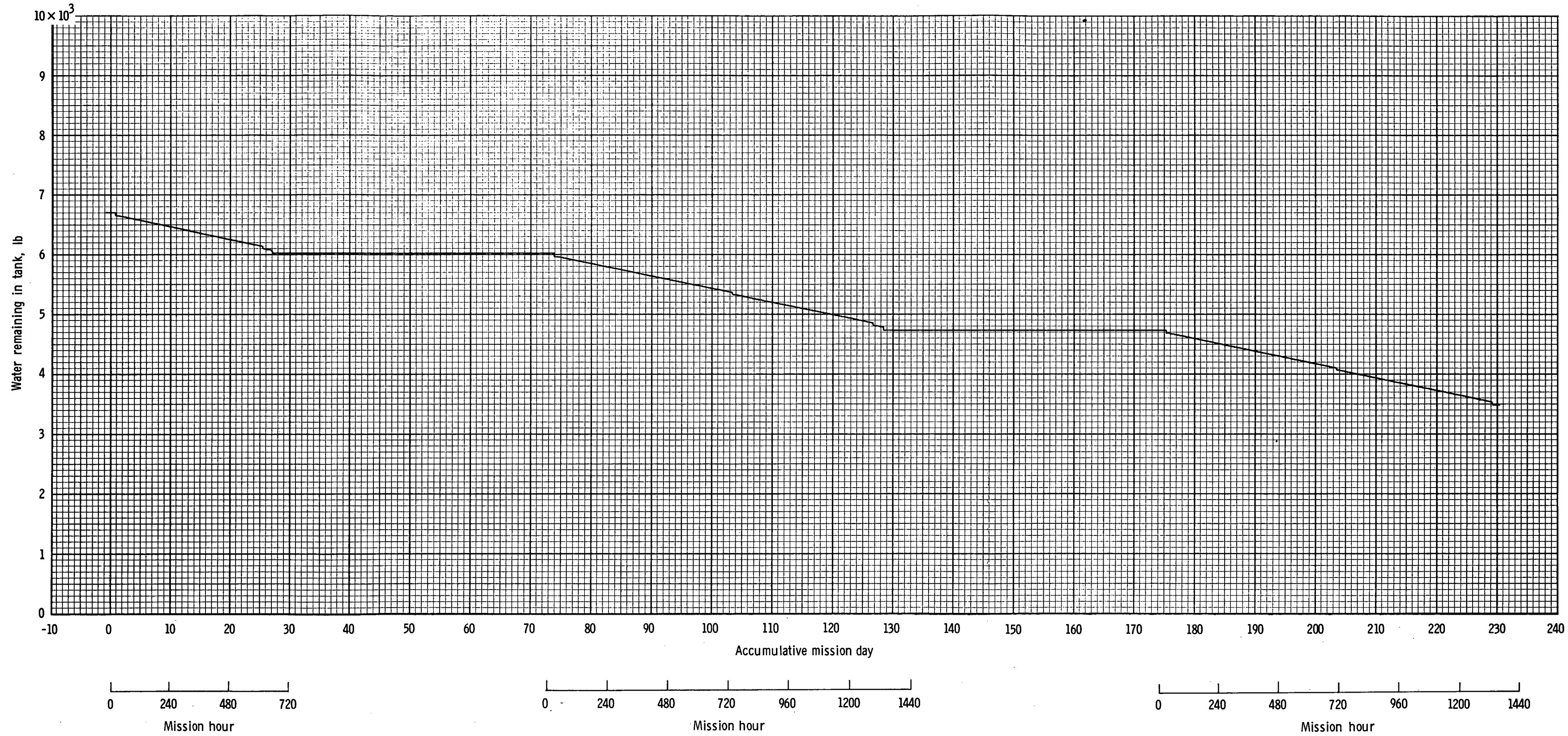
Figure 7. - Cumulative water usage.

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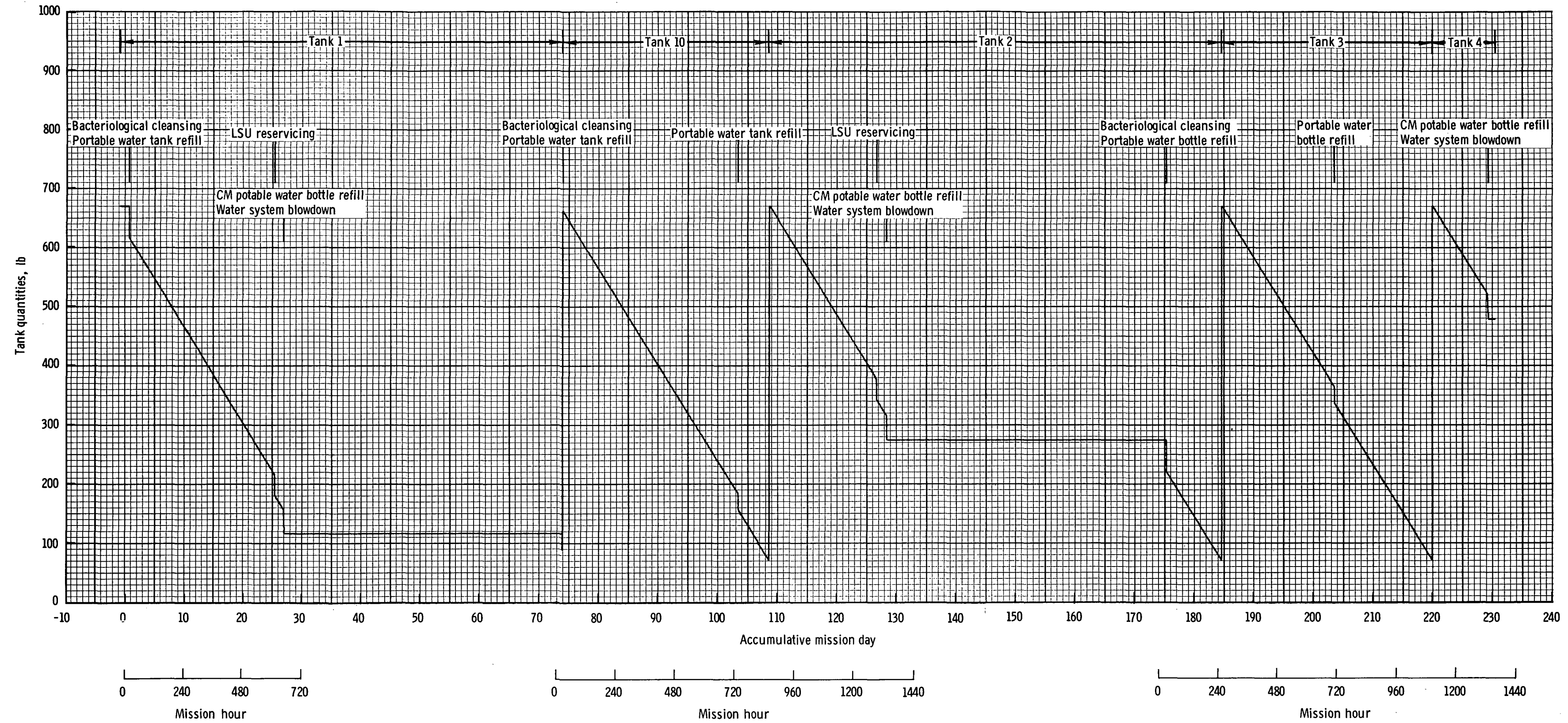
Figure 8. – Water depletion profile for metabolic tanks.

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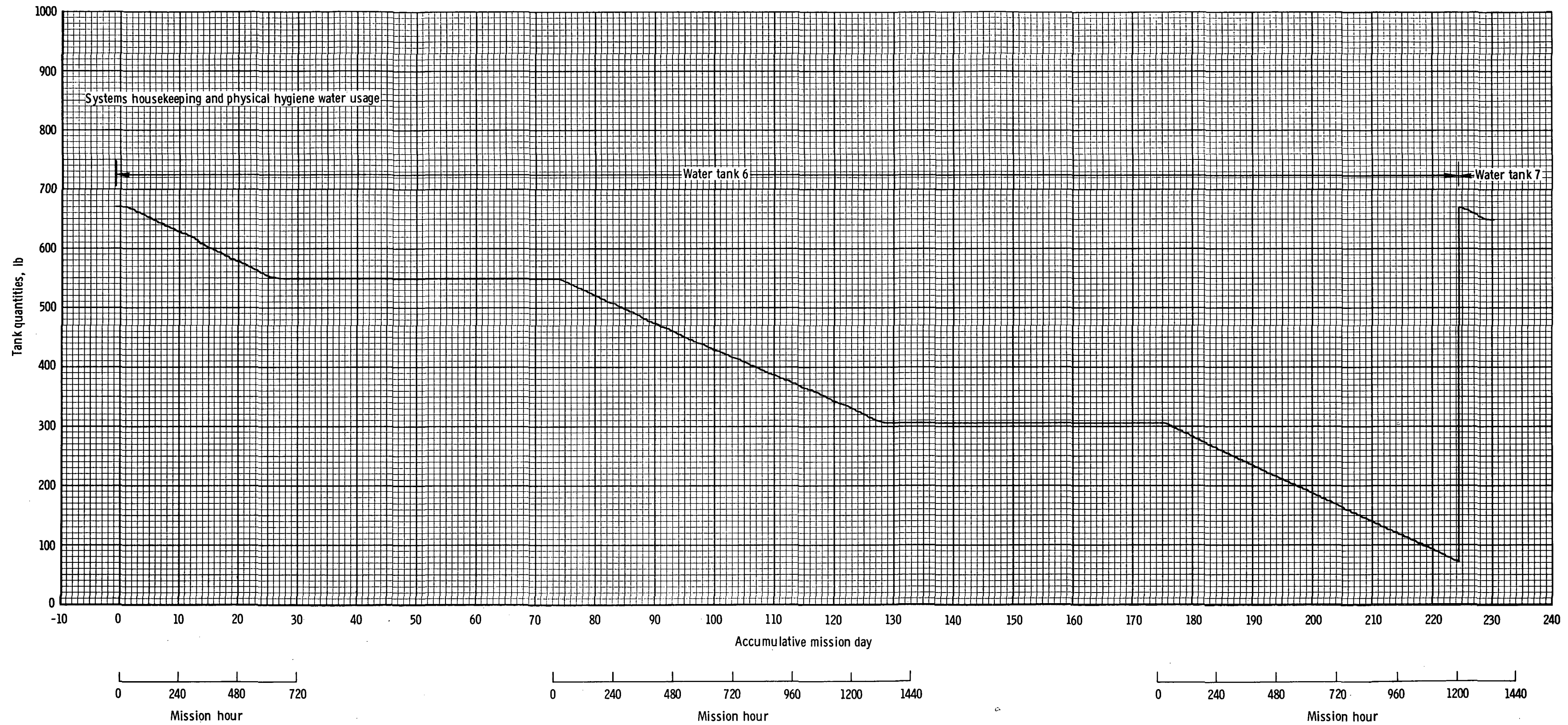
Figure 9. - Water depletion profile for WMC tanks.

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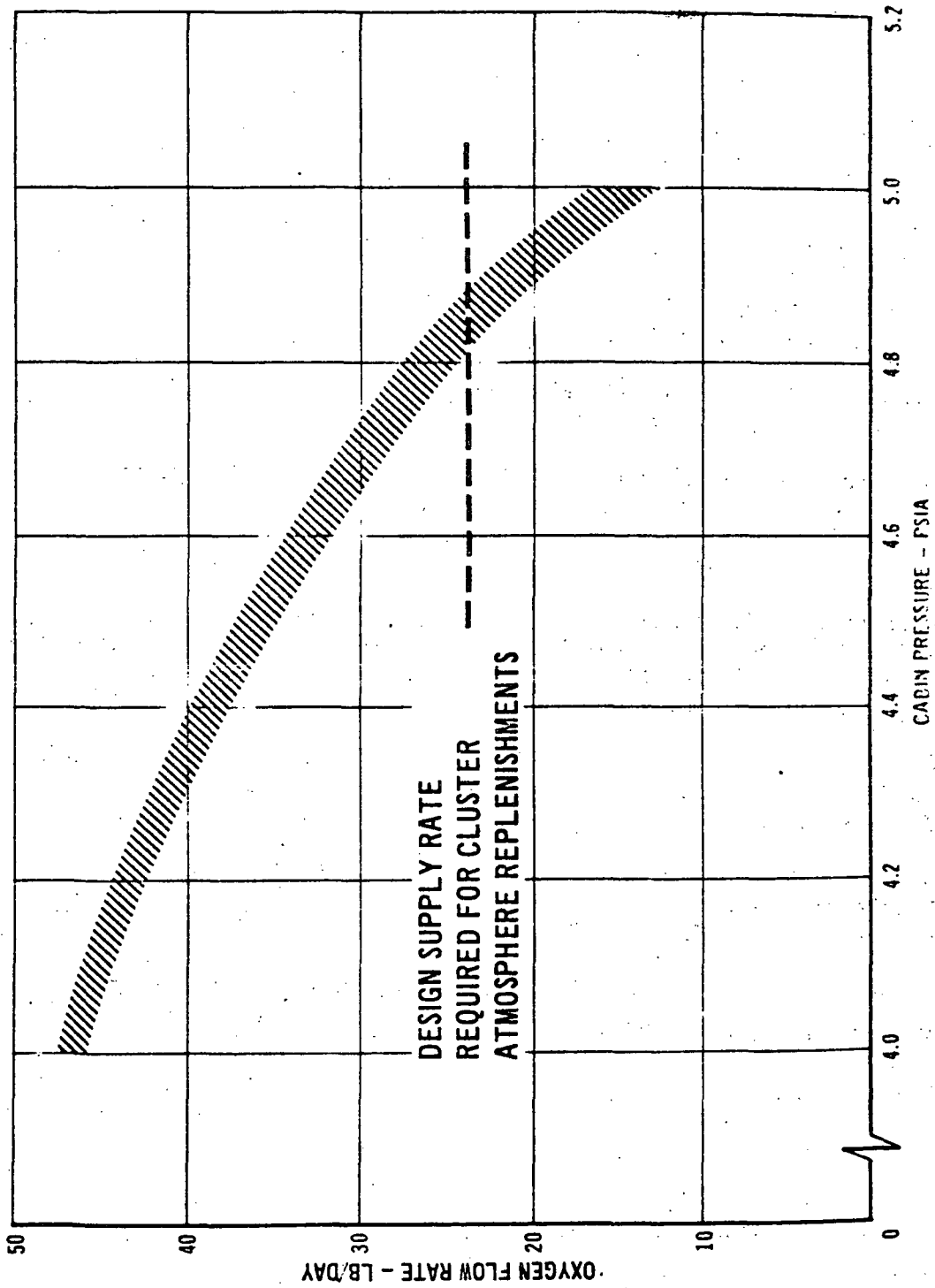
Figure 10. – Cabin pressure regulator flow rate characteristics.

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